

**Table** The total S<sub>I</sub> duplicate lines found in VALD3 as of 26/05/16. Each pair of lines represent two transitions which we have determined to be duplicated according to their electronic configurations and J-values. The duplicates have been manually checked for hyperfine transitions and isotopic transitions according to their respective references. The configurations are presented in the same unformatted manner as the VALD3 retrieval. The reference labels are those employed by VALD3 and can be found in full on their website at <http://www.astro.uu.se/valdwiki/linelistRefs>. Both the S<sub>I</sub> and non-S<sub>I</sub> tables are available in pdf and machine-readable form at [brass.sdf.org](http://brass.sdf.org).

Ion	$\lambda$ (Å)	$\log(gf)$	$E_{low}$ (eV)	$J_{low}$	$E_{up}$ (eV)	$J_{up}$	Lower configuration	Upper configuration	References
S I	4200.1668	-5.288	8.9744	1.0	11.9254	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S I	4200.1668	-4.772	8.9744	1.0	11.9254	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S I	4200.1668	-5.537	8.9744	1.0	11.9254	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S I	4200.1668	-4.806	8.9744	1.0	11.9254	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S I	4204.4416	-5.023	8.9744	1.0	11.9224	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<3/2>).7f	K04
S I	4204.4416	-4.651	8.9744	1.0	11.9224	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<3/2>).7f	K04
S I	4233.8402	-6.983	8.9978	0.0	11.9254	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S I	4233.8402	-5.165	8.9978	0.0	11.9254	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S I	4279.6350	-4.284	8.9299	2.0	11.8262	3.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S I	4279.6350	-3.057	8.9299	2.0	11.8262	3.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S I	4279.6350	-3.897	8.9299	2.0	11.8262	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S I	4279.6350	-3.195	8.9299	2.0	11.8262	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S I	4279.6350	-5.783	8.9299	2.0	11.8262	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S I	4279.6350	-3.623	8.9299	2.0	11.8262	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S I	4285.1558	-9.213	8.7661	2.0	11.6587	3.0	LS 3s2.3p3.(4S*).5s 5S*	3s2.3p3.(2D*<5/2>).5f	K04
S I	4285.1558	-9.140	8.7661	2.0	11.6587	3.0	LS 3s2.3p3.(4S*).5s 5S*	3s2.3p3.(2D*<5/2>).5f	K04
S I	4285.9283	-4.847	8.9299	2.0	11.8219	3.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<3/2>).6f	K04
S I	4285.9283	-3.199	8.9299	2.0	11.8219	3.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<3/2>).6f	K04
S I	4285.9283	-4.374	8.9299	2.0	11.8219	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<3/2>).6f	K04
S I	4285.9283	-3.741	8.9299	2.0	11.8219	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<3/2>).6f	K04
S I	4329.1442	-8.610	9.2956	4.0	12.1587	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S I	4329.1442	-8.075	9.2956	4.0	12.1587	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S I	4329.3242	-7.255	9.2957	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S I	4329.3242	-7.099	9.2957	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S I	4329.3242	-8.097	9.2957	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S I	4329.3242	-7.346	9.2957	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S I	4329.3242	-8.917	9.2957	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S I	4329.3242	-8.143	9.2957	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S I	4329.5286	-7.280	9.2958	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S I	4329.5286	-5.940	9.2958	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S I	4329.5286	-6.666	9.2958	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S I	4329.5286	-6.064	9.2958	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04

S 1	4329.5286	-7.769	9.2958	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4329.5286	-6.478	9.2958	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4329.6917	-6.180	9.2959	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4329.6917	-6.046	9.2959	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4329.6917	-6.854	9.2959	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4329.6917	-6.189	9.2959	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4329.7948	-6.230	9.2960	0.0	12.1587	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4329.7948	-6.027	9.2960	0.0	12.1587	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4335.0764	-8.803	9.2956	4.0	12.1548	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4335.0764	-8.141	9.2956	4.0	12.1548	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4335.2569	-8.776	9.2957	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4335.2569	-6.669	9.2957	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4335.2569	-8.094	9.2957	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4335.2569	-7.308	9.2957	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4335.2569	-8.977	9.2957	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4335.2569	-8.732	9.2957	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4335.4618	-6.599	9.2958	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4335.4618	-6.331	9.2958	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4335.6254	-8.761	9.2959	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4335.6254	-5.381	9.2959	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4338.3310	-9.667	9.2956	4.0	12.1527	5.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.3310	-4.179	9.2956	4.0	12.1527	5.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.3310	-7.387	9.2956	4.0	12.1527	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.3310	-4.629	9.2956	4.0	12.1527	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.3310	-6.389	9.2956	4.0	12.1527	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.3310	-5.485	9.2956	4.0	12.1527	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.5117	-4.829	9.2957	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.5117	-4.776	9.2957	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.5117	-5.802	9.2957	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.5117	-4.996	9.2957	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.5117	-6.143	9.2957	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.5117	-5.876	9.2957	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.7170	-4.827	9.2958	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.7170	-3.411	9.2958	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.7170	-4.244	9.2958	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.7170	-3.610	9.2958	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.7170	-5.103	9.2958	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.7170	-4.109	9.2958	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04

S 1	4338.8808	-4.412	9.2959	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.8808	-3.547	9.2959	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.8808	-3.631	9.2959	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.8808	-3.615	9.2959	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.9844	-3.916	9.2960	0.0	12.1527	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4338.9844	-3.503	9.2960	0.0	12.1527	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4344.2695	-6.471	9.2956	4.0	12.1488	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.2695	-5.924	9.2956	4.0	12.1488	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.2695	-7.028	9.2956	4.0	12.1488	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.2695	-6.601	9.2956	4.0	12.1488	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.4508	-6.055	9.2957	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.4508	-4.458	9.2957	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.4508	-5.796	9.2957	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.4508	-5.205	9.2957	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.4508	-7.251	9.2957	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.4508	-6.332	9.2957	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.6566	-5.355	9.2958	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.6566	-3.256	9.2958	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.6566	-4.311	9.2958	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.6566	-3.994	9.2958	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.8209	-6.175	9.2959	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4344.8209	-2.954	9.2959	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4346.4016	-4.109	8.9744	1.0	11.8262	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4346.4016	-3.363	8.9744	1.0	11.8262	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4346.4016	-4.314	8.9744	1.0	11.8262	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4346.4016	-3.508	8.9744	1.0	11.8262	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4349.6944	-8.800	9.2956	4.0	12.1452	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4349.6944	-5.644	9.2956	4.0	12.1452	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4349.6944	-7.516	9.2956	4.0	12.1452	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4349.6944	-6.448	9.2956	4.0	12.1452	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4349.8761	-5.829	9.2957	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4349.8761	-5.774	9.2957	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4349.8761	-6.762	9.2957	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4349.8761	-5.991	9.2957	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4349.8761	-7.510	9.2957	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4349.8761	-7.049	9.2957	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4350.0824	-5.661	9.2958	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4350.0824	-4.360	9.2958	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04

S 1	4350.0824	-5.055	9.2958	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4350.0824	-4.583	9.2958	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4350.0824	-5.782	9.2958	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4350.0824	-4.994	9.2958	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4350.2471	-5.476	9.2959	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4350.2471	-4.498	9.2959	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4350.2471	-4.598	9.2959	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4350.2471	-4.510	9.2959	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4350.3512	-4.744	9.2960	0.0	12.1452	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4350.3512	-4.500	9.2960	0.0	12.1452	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4352.8929	-3.679	8.9744	1.0	11.8219	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4352.8929	-3.102	8.9744	1.0	11.8219	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4355.6451	-7.482	9.2956	4.0	12.1413	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4355.6451	-6.897	9.2956	4.0	12.1413	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4355.6451	-8.134	9.2956	4.0	12.1413	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4355.6451	-7.875	9.2956	4.0	12.1413	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4355.8273	-7.102	9.2957	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4355.8273	-5.480	9.2957	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4355.8273	-6.890	9.2957	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4355.8273	-6.213	9.2957	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4355.8273	-7.813	9.2957	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4355.8273	-7.501	9.2957	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4356.0342	-6.627	9.2958	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4356.0342	-4.234	9.2958	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4356.0342	-5.383	9.2958	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4356.0342	-5.039	9.2958	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4356.1993	-6.093	9.2959	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4356.1993	-3.992	9.2959	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4363.3255	-9.280	9.2956	4.0	12.1363	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.3255	-6.126	9.2956	4.0	12.1363	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.3255	-8.045	9.2956	4.0	12.1363	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.3255	-6.919	9.2956	4.0	12.1363	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.5083	-6.283	9.2957	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.5083	-6.254	9.2957	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.5083	-7.205	9.2957	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.5083	-6.436	9.2957	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.5083	-7.475	9.2957	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.5083	-6.954	9.2957	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04

S 1	4363.7159	-6.056	9.2958	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.7159	-4.799	9.2958	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.7159	-5.742	9.2958	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.7159	-4.880	9.2958	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.7159	-7.852	9.2958	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.7159	-5.478	9.2958	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.8816	-5.235	9.2959	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.8816	-4.910	9.2959	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.8816	-5.795	9.2959	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.8816	-5.138	9.2959	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.9864	-5.606	9.2960	0.0	12.1363	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4363.9864	-4.775	9.2960	0.0	12.1363	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4369.7337	-7.966	9.2956	4.0	12.1322	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4369.7337	-7.350	9.2956	4.0	12.1322	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4369.7337	-8.508	9.2956	4.0	12.1322	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4369.7337	-8.235	9.2956	4.0	12.1322	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4369.9171	-7.569	9.2957	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4369.9171	-5.963	9.2957	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4369.9171	-7.308	9.2957	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4369.9171	-6.684	9.2957	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4369.9171	-9.012	9.2957	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4369.9171	-7.445	9.2957	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4370.1253	-6.616	9.2958	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4370.1253	-4.671	9.2958	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4370.1253	-6.813	9.2958	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4370.1253	-5.398	9.2958	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4370.2915	-5.079	9.2959	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4370.2915	-4.462	9.2959	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4380.7249	-9.658	9.2956	4.0	12.1250	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4380.7249	-6.491	9.2956	4.0	12.1250	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4380.7249	-8.350	9.2956	4.0	12.1250	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4380.7249	-7.588	9.2956	4.0	12.1250	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4380.9092	-6.616	9.2957	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4380.9092	-6.610	9.2957	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4380.9092	-7.543	9.2957	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4380.9092	-6.727	9.2957	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4380.9092	-8.196	9.2957	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4380.9092	-7.930	9.2957	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04

S 1	4381.1184	-6.348	9.2958	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4381.1184	-5.154	9.2958	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4381.1184	-7.192	9.2958	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4381.1184	-5.177	9.2958	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4381.1184	-7.720	9.2958	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4381.1184	-5.664	9.2958	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4381.2855	-5.508	9.2959	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4381.2855	-5.160	9.2959	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4381.2855	-5.511	9.2959	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4381.2855	-5.417	9.2959	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4381.3911	-5.763	9.2960	0.0	12.1250	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4381.3911	-5.082	9.2960	0.0	12.1250	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4382.4705	-5.252	8.9978	0.0	11.8262	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4382.4705	-3.465	8.9978	0.0	11.8262	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4386.9534	-8.331	9.2956	4.0	12.1210	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4386.9534	-7.683	9.2956	4.0	12.1210	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4386.9534	-8.672	9.2956	4.0	12.1210	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4386.9534	-8.431	9.2956	4.0	12.1210	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4387.1382	-7.923	9.2957	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4387.1382	-6.330	9.2957	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4387.1382	-7.579	9.2957	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4387.1382	-7.042	9.2957	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4387.1382	-8.534	9.2957	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4387.1382	-8.420	9.2957	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4387.3481	-6.487	9.2958	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4387.3481	-4.982	9.2958	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4387.3481	-7.612	9.2958	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4387.3481	-5.581	9.2958	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4387.5156	-5.002	9.2959	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4387.5156	-4.937	9.2959	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4402.6606	-9.626	9.2956	4.0	12.1109	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4402.6606	-7.324	9.2956	4.0	12.1109	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4402.8467	-6.962	9.2957	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4402.8467	-6.908	9.2957	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4402.8467	-7.734	9.2957	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4402.8467	-7.063	9.2957	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4402.8467	-8.855	9.2957	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4402.8467	-8.546	9.2957	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04

S 1	4403.0581	-6.358	9.2958	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4403.0581	-5.332	9.2958	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4403.0581	-7.530	9.2958	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4403.0581	-5.410	9.2958	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4403.0581	-6.389	9.2958	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4403.0581	-5.473	9.2958	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4403.2268	-5.425	9.2959	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4403.2268	-5.376	9.2959	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4403.2268	-5.735	9.2959	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4403.2268	-5.725	9.2959	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4403.3335	-5.695	9.2960	0.0	12.1109	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4403.3335	-4.988	9.2960	0.0	12.1109	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4407.6996	-7.338	8.8465	1.0	11.6587	2.0	LS 3s2.3p3.(4S*).5s 3S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4407.6996	-5.286	8.8465	1.0	11.6587	2.0	LS 3s2.3p3.(4S*).5s 3S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4407.6996	-5.915	8.8465	1.0	11.6587	1.0	LS 3s2.3p3.(4S*).5s 3S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4407.6996	-5.312	8.8465	1.0	11.6587	1.0	LS 3s2.3p3.(4S*).5s 3S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4408.6211	-8.688	9.2956	4.0	12.1071	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4408.6211	-7.997	9.2956	4.0	12.1071	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4408.6211	-8.855	9.2956	4.0	12.1071	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4408.6211	-8.669	9.2956	4.0	12.1071	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4408.8078	-8.282	9.2957	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4408.8078	-6.699	9.2957	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4408.8078	-8.378	9.2957	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4408.8078	-6.878	9.2957	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4408.8078	-7.733	9.2957	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4408.8078	-7.397	9.2957	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4409.0197	-6.290	9.2958	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4409.0197	-5.281	9.2958	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4409.0197	-6.112	9.2958	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4409.0197	-5.574	9.2958	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4409.1889	-5.436	9.2959	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4409.1889	-4.943	9.2959	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4414.7458	-7.189	8.8465	1.0	11.6542	2.0	LS 3s2.3p3.(4S*).5s 3S*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	4414.7458	-5.099	8.8465	1.0	11.6542	2.0	LS 3s2.3p3.(4S*).5s 3S*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	4430.9281	-7.339	9.2957	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4430.9281	-7.180	9.2957	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4430.9281	-7.992	9.2957	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4430.9281	-7.288	9.2957	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04

S 1	4430.9281	-9.356	9.2957	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4430.9281	-8.138	9.2957	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4431.1422	-6.476	9.2958	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4431.1422	-5.556	9.2958	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4431.1422	-6.595	9.2958	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4431.1422	-6.189	9.2958	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4431.1422	-7.310	9.2958	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4431.1422	-6.262	9.2958	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4431.3131	-5.750	9.2959	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4431.3131	-5.727	9.2959	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4431.3131	-5.834	9.2959	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4431.3131	-5.777	9.2959	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4431.4211	-6.367	9.2960	0.0	12.0931	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4431.4211	-5.633	9.2960	0.0	12.0931	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4436.9143	-8.330	9.2956	4.0	12.0892	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4436.9143	-8.200	9.2956	4.0	12.0892	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4436.9143	-9.098	9.2956	4.0	12.0892	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4436.9143	-8.432	9.2956	4.0	12.0892	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4437.1033	-8.618	9.2957	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4437.1033	-7.083	9.2957	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4437.1033	-7.898	9.2957	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4437.1033	-7.897	9.2957	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4437.3180	-6.031	9.2958	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4437.3180	-5.554	9.2958	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4437.3180	-6.813	9.2958	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4437.3180	-6.094	9.2958	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4437.4894	-5.639	9.2959	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4437.4894	-5.279	9.2959	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4469.1064	-8.686	9.2956	4.0	12.0691	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.1064	-7.700	9.2956	4.0	12.0691	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.2982	-8.364	9.2957	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.2982	-7.551	9.2957	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.2982	-8.139	9.2957	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.2982	-7.713	9.2957	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.2982	-9.755	9.2957	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.2982	-8.520	9.2957	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.5160	-6.582	9.2958	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.5160	-5.887	9.2958	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04



S 1	4469.5160	-8.055	9.2958	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.5160	-6.055	9.2958	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.5160	-7.760	9.2958	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.5160	-6.459	9.2958	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.6899	-6.215	9.2959	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.6899	-6.065	9.2959	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.6899	-6.210	9.2959	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.6899	-6.202	9.2959	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.7998	-6.756	9.2960	0.0	12.0691	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4469.7998	-5.930	9.2960	0.0	12.0691	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4475.6891	-8.256	9.2956	4.0	12.0650	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4475.6891	-8.086	9.2956	4.0	12.0650	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4475.8815	-9.375	9.2957	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4475.8815	-8.082	9.2957	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4475.8815	-8.518	9.2957	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4475.8815	-8.238	9.2957	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4475.8815	-9.289	9.2957	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4475.8815	-8.371	9.2957	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4476.0999	-6.123	9.2958	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4476.0999	-6.075	9.2958	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4476.0999	-7.083	9.2958	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4476.0999	-6.343	9.2958	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4476.2743	-6.047	9.2959	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4476.2743	-5.529	9.2959	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4520.7646	-5.568	9.4169	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4520.7646	-3.981	9.4169	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4520.7646	-5.330	9.4169	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4520.7646	-4.003	9.4169	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4520.8464	-4.422	9.4170	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4520.8464	-3.574	9.4170	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4520.8464	-4.276	9.4170	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4520.8464	-3.752	9.4170	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4520.8464	-4.749	9.4170	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4520.8464	-4.360	9.4170	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4521.1715	-7.957	9.2956	4.0	12.0371	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.1715	-7.738	9.2956	4.0	12.0371	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.1715	-8.670	9.2956	4.0	12.0371	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.1715	-8.075	9.2956	4.0	12.0371	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04

S 1	4521.3678	-8.473	9.2957	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.3678	-7.421	9.2957	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.3678	-9.503	9.2957	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.3678	-7.741	9.2957	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.3678	-8.757	9.2957	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.3678	-7.961	9.2957	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.5907	-8.707	9.2958	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.5907	-6.144	9.2958	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.5907	-6.630	9.2958	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.5907	-6.346	9.2958	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.5907	-8.212	9.2958	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.5907	-7.247	9.2958	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.7011	-4.439	9.4175	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4521.7011	-3.221	9.4175	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4521.7011	-5.117	9.4175	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4521.7011	-3.313	9.4175	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4521.7011	-6.069	9.4175	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4521.7011	-4.136	9.4175	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4521.7686	-6.510	9.2959	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.7686	-6.247	9.2959	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.7686	-6.678	9.2959	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.7686	-6.466	9.2959	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.8811	-7.224	9.2960	0.0	12.0371	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4521.8811	-6.235	9.2960	0.0	12.0371	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4527.2340	-3.864	9.4169	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4527.2340	-3.851	9.4169	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4527.3160	-4.298	9.4170	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4527.3160	-3.455	9.4170	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4527.3160	-6.071	9.4170	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4527.3160	-4.178	9.4170	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4527.8060	-8.065	9.2956	4.0	12.0331	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4527.8060	-7.682	9.2956	4.0	12.0331	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4528.0029	-8.726	9.2957	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4528.0029	-7.786	9.2957	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4528.0029	-9.954	9.2957	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4528.0029	-8.740	9.2957	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4528.1731	-5.694	9.4175	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4528.1731	-3.489	9.4175	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).17f	K04

S 1	4528.1731	-4.546	9.4175	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4528.1731	-3.788	9.4175	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4528.1731	-6.223	9.4175	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4528.1731	-4.807	9.4175	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4528.2265	-6.917	9.2958	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4528.2265	-6.274	9.2958	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4528.2265	-7.161	9.2958	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4528.2265	-6.992	9.2958	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4528.4049	-6.476	9.2959	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4528.4049	-5.967	9.2959	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4530.7836	-2.401	9.4169	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4530.7836	-1.483	9.4169	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4530.7836	-5.245	9.4169	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4530.7836	-1.650	9.4169	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4530.8657	-1.637	9.4170	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4530.8657	-1.257	9.4170	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4530.8657	-2.020	9.4170	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4530.8657	-1.264	9.4170	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4530.8657	-2.015	9.4170	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4530.8657	-1.961	9.4170	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4531.7242	-2.005	9.4175	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4531.7242	-0.715	9.4175	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4531.7242	-2.504	9.4175	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4531.7242	-0.958	9.4175	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4531.7242	-2.961	9.4175	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4531.7242	-1.593	9.4175	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4537.2611	-1.345	9.4169	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4537.2611	-1.306	9.4169	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4537.3434	-2.071	9.4170	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4537.3434	-0.973	9.4170	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4537.3434	-2.150	9.4170	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4537.3434	-1.846	9.4170	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4538.2044	-3.531	9.4175	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4538.2044	-1.081	9.4175	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4538.2044	-2.195	9.4175	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4538.2044	-1.985	9.4175	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4538.2044	-3.958	9.4175	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4538.2044	-2.804	9.4175	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).16f	K04

S 1	4542.3006	-3.992	8.9299	2.0	11.6587	3.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4542.3006	-2.177	8.9299	2.0	11.6587	3.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4542.3006	-2.931	8.9299	2.0	11.6587	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4542.3006	-2.415	8.9299	2.0	11.6587	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4542.3006	-4.284	8.9299	2.0	11.6587	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4542.3006	-2.835	8.9299	2.0	11.6587	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4543.1789	-3.348	9.4169	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4543.1789	-2.534	9.4169	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4543.1789	-6.025	9.4169	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4543.1789	-2.675	9.4169	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4543.2615	-3.076	9.4170	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4543.2615	-2.220	9.4170	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4543.2615	-2.618	9.4170	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4543.2615	-2.248	9.4170	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4543.2615	-3.120	9.4170	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4543.2615	-3.055	9.4170	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4544.1247	-2.934	9.4175	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4544.1247	-1.699	9.4175	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4544.1247	-3.638	9.4175	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4544.1247	-1.931	9.4175	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4544.1247	-4.243	9.4175	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4544.1247	-2.603	9.4175	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4549.6712	-2.387	9.4169	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4549.6712	-2.232	9.4169	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4549.7540	-2.979	9.4170	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4549.7540	-1.944	9.4170	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4549.7540	-3.203	9.4170	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4549.7540	-2.672	9.4170	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4549.7841	-4.414	8.9299	2.0	11.6542	3.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	4549.7841	-2.378	8.9299	2.0	11.6542	3.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	4549.7841	-3.590	8.9299	2.0	11.6542	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	4549.7841	-2.927	8.9299	2.0	11.6542	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	4550.6197	-4.446	9.4175	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4550.6197	-2.068	9.4175	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4550.6197	-3.192	9.4175	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4550.6197	-2.854	9.4175	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4550.6197	-3.991	9.4175	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4550.6197	-3.804	9.4175	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).15f	K04

S 1	4558.0517	-4.537	9.4169	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4558.0517	-3.140	9.4169	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4558.0517	-6.300	9.4169	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4558.0517	-3.560	9.4169	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4558.1348	-2.882	9.4170	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4558.1348	-2.652	9.4170	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4558.1348	-3.034	9.4170	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4558.1348	-2.700	9.4170	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4558.1348	-3.543	9.4170	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4558.1348	-3.242	9.4170	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4559.0037	-3.388	9.4175	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4559.0037	-2.138	9.4175	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4559.0037	-4.187	9.4175	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4559.0037	-2.358	9.4175	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4559.0037	-3.239	9.4175	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4559.0037	-3.072	9.4175	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4565.0452	-3.247	9.4169	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4565.0452	-2.499	9.4169	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4565.1286	-3.532	9.4170	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4565.1286	-2.373	9.4170	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4565.1286	-3.660	9.4170	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4565.1286	-3.288	9.4170	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4566.0001	-4.906	9.4175	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4566.0001	-2.507	9.4175	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4566.0001	-3.582	9.4175	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4566.0001	-3.301	9.4175	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4566.0001	-5.393	9.4175	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4566.0001	-3.752	9.4175	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4577.0421	-6.613	9.4169	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4577.0421	-3.131	9.4169	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4577.0421	-4.647	9.4169	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4577.0421	-3.448	9.4169	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4577.1259	-3.425	9.4170	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4577.1259	-3.008	9.4170	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4577.1259	-3.391	9.4170	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4577.1259	-3.146	9.4170	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4577.1259	-3.894	9.4170	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4577.1259	-3.659	9.4170	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04

S 1	4578.0021	-3.714	9.4175	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4578.0021	-2.448	9.4175	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4578.0021	-4.697	9.4175	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4578.0021	-2.581	9.4175	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4578.0021	-5.755	9.4175	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4578.0021	-3.377	9.4175	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4583.8418	-4.632	9.4169	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4583.8418	-2.746	9.4169	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4583.9259	-4.080	9.4170	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4583.9259	-2.668	9.4170	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4583.9259	-4.465	9.4170	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4583.9259	-3.439	9.4170	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4584.8046	-5.220	9.4175	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4584.8046	-2.817	9.4175	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4584.8046	-3.825	9.4175	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4584.8046	-3.638	9.4175	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4584.8046	-4.871	9.4175	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4584.8046	-4.438	9.4175	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4596.7176	-8.754	9.2956	4.0	11.9921	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4596.7176	-7.860	9.2956	4.0	11.9921	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4596.7176	-8.231	9.2956	4.0	11.9921	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4596.7176	-8.110	9.2956	4.0	11.9921	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4596.9206	-8.400	9.2957	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4596.9206	-7.895	9.2957	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4596.9206	-9.232	9.2957	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4596.9206	-8.792	9.2957	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4597.1510	-7.050	9.2958	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4597.1510	-6.948	9.2958	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4597.1510	-7.033	9.2958	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4597.1510	-6.969	9.2958	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4597.1510	-8.541	9.2958	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4597.1510	-7.718	9.2958	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4597.3349	-8.274	9.2959	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4597.3349	-6.843	9.2959	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4597.3349	-7.134	9.2959	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4597.3349	-6.905	9.2959	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4597.4512	-8.443	9.2960	0.0	11.9921	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4597.4512	-6.891	9.2960	0.0	11.9921	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).8f	K04

S 1	4600.9932	-6.909	9.4169	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4600.9932	-3.420	9.4169	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4600.9932	-4.069	9.4169	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4600.9932	-3.625	9.4169	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4601.0779	-3.467	9.4170	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4601.0779	-3.351	9.4170	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4601.0779	-3.607	9.4170	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4601.0779	-3.420	9.4170	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4601.0779	-4.584	9.4170	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4601.0779	-3.973	9.4170	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4601.9633	-3.976	9.4175	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4601.9633	-2.719	9.4175	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4601.9633	-5.551	9.4175	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4601.9633	-2.984	9.4175	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4601.9633	-5.313	9.4175	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4601.9633	-3.682	9.4175	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4603.6183	-9.092	9.2956	4.0	11.9880	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4603.6183	-8.350	9.2956	4.0	11.9880	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4603.6183	-9.367	9.2956	4.0	11.9880	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4603.6183	-8.857	9.2956	4.0	11.9880	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4603.8219	-8.894	9.2957	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4603.8219	-7.208	9.2957	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4603.8219	-9.362	9.2957	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4603.8219	-7.767	9.2957	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4604.0530	-9.066	9.2958	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4604.0530	-7.009	9.2958	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4604.0530	-8.112	9.2958	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4604.0530	-7.512	9.2958	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4604.2375	-7.542	9.2959	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4604.2375	-6.663	9.2959	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4607.5033	-4.450	9.4169	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4607.5033	-4.153	9.4169	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4607.5882	-5.216	9.4170	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4607.5882	-2.922	9.4170	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4607.5882	-3.923	9.4170	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4607.5882	-3.227	9.4170	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4608.4760	-5.461	9.4175	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4608.4760	-3.092	9.4175	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).12f	K04

S 1	4608.4760	-4.569	9.4175	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4608.4760	-3.627	9.4175	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4608.4760	-3.957	9.4175	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4608.4760	-3.951	9.4175	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4617.5862	-3.583	8.9744	1.0	11.6587	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4617.5862	-2.558	8.9744	1.0	11.6587	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4617.5862	-3.618	8.9744	1.0	11.6587	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4617.5862	-2.684	8.9744	1.0	11.6587	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4625.3200	-2.893	8.9744	1.0	11.6542	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	4625.3200	-2.358	8.9744	1.0	11.6542	2.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	4627.9391	-9.236	9.4804	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4627.9391	-8.973	9.4804	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4631.6678	-4.894	9.4169	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4631.6678	-3.740	9.4169	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4631.6678	-7.494	9.4169	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4631.6678	-3.908	9.4169	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4631.7536	-4.955	9.4170	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4631.7536	-3.531	9.4170	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4631.7536	-3.671	9.4170	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4631.7536	-3.621	9.4170	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4631.7536	-4.364	9.4170	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4631.7536	-4.063	9.4170	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4632.6508	-4.273	9.4175	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4632.6508	-2.952	9.4175	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4632.6508	-7.588	9.4175	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4632.6508	-3.201	9.4175	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4632.6508	-4.587	9.4175	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4632.6508	-3.500	9.4175	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4634.7191	-9.339	9.4804	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4634.7191	-9.177	9.4804	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4638.4156	-4.971	9.4169	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4638.4156	-3.286	9.4169	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4638.4393	-7.365	9.4804	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4638.4393	-5.228	9.4804	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4638.4393	-6.237	9.4804	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4638.4393	-5.377	9.4804	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4638.4393	-6.748	9.4804	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4638.4393	-5.895	9.4804	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).16f	K04



S 1	4638.5017	-5.064	9.4170	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4638.5017	-3.185	9.4170	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4638.5017	-6.305	9.4170	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4638.5017	-3.947	9.4170	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4639.4015	-5.751	9.4175	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4639.4015	-3.319	9.4175	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4639.4015	-4.715	9.4175	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4639.4015	-4.175	9.4175	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4639.4015	-5.558	9.4175	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4639.4015	-5.276	9.4175	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4645.2285	-6.647	9.4804	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4645.2285	-5.359	9.4804	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4645.2285	-6.478	9.4804	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4645.2285	-5.952	9.4804	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4651.4315	-8.002	9.4804	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4651.4315	-6.117	9.4804	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4651.4315	-6.952	9.4804	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4651.4315	-6.280	9.4804	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4651.4315	-7.445	9.4804	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4651.4315	-6.742	9.4804	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4658.2371	-7.680	9.4804	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4658.2371	-6.263	9.4804	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4658.2371	-7.603	9.4804	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4658.2371	-6.940	9.4804	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4658.3174	-6.892	8.9978	0.0	11.6587	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4658.3174	-2.696	8.9978	0.0	11.6587	1.0	LS 3s.3p5 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	4667.0227	-8.299	9.4804	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4667.0227	-6.488	9.4804	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4667.0227	-7.704	9.4804	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4667.0227	-6.541	9.4804	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4667.0227	-8.858	9.4804	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4667.0227	-7.130	9.4804	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4673.6096	-6.061	9.4169	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4673.6096	-4.056	9.4169	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4673.6096	-6.643	9.4169	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4673.6096	-4.312	9.4169	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4673.6970	-4.109	9.4170	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4673.6970	-3.955	9.4170	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04

S 1	4673.6970	-4.221	9.4170	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4673.6970	-4.089	9.4170	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4673.6970	-4.814	9.4170	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4673.6970	-4.430	9.4170	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4674.3548	-7.886	9.4804	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4674.3548	-6.630	9.4804	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4674.3548	-9.551	9.4804	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4674.3548	-7.225	9.4804	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4674.6105	-4.674	9.4175	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4674.6105	-3.329	9.4175	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4674.6105	-5.597	9.4175	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4674.6105	-3.586	9.4175	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4674.6105	-5.738	9.4175	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4674.6105	-4.163	9.4175	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4680.8090	-5.263	9.4169	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4680.8090	-3.666	9.4169	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4680.8967	-4.407	9.4170	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4680.8967	-3.616	9.4170	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4680.8967	-6.189	9.4170	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4680.8967	-4.455	9.4170	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4681.8130	-6.094	9.4175	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4681.8130	-3.710	9.4175	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4681.8130	-5.494	9.4175	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4681.8130	-4.412	9.4175	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4681.8130	-7.503	9.4175	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4681.8130	-5.807	9.4175	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4683.5721	-7.637	9.5122	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4683.5721	-5.662	9.5122	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4683.5721	-6.259	9.5122	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4683.5721	-6.090	9.5122	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4686.9339	-8.519	9.4804	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4686.9339	-6.769	9.4804	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4686.9339	-8.884	9.4804	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4686.9339	-7.283	9.4804	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4690.5162	-5.847	9.5122	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4690.5162	-5.410	9.5122	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4694.0643	-7.911	9.4804	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4694.0643	-6.876	9.4804	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).13f	K04

S 1	4694.0643	-8.776	9.4804	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4694.0643	-7.379	9.4804	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4694.3266	-5.201	9.5122	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4694.3266	-3.743	9.5122	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4694.3266	-4.307	9.5122	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4694.3266	-3.952	9.5122	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4701.2805	-3.930	9.5122	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4701.2805	-3.585	9.5122	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4707.6342	-6.360	9.5122	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4707.6342	-4.713	9.5122	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4707.6342	-5.262	9.5122	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4707.6342	-4.844	9.5122	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4712.0521	-8.269	9.4804	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4712.0521	-6.875	9.4804	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4712.0521	-7.903	9.4804	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4712.0521	-7.239	9.4804	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4713.2028	-8.535	9.2956	4.0	11.9254	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.2028	-6.968	9.2956	4.0	11.9254	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.2028	-7.988	9.2956	4.0	11.9254	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.2028	-7.977	9.2956	4.0	11.9254	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.4162	-7.877	9.2957	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.4162	-7.082	9.2957	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.4162	-9.891	9.2957	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.4162	-7.364	9.2957	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.6584	-9.177	9.2958	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.6584	-7.835	9.2958	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.6584	-9.299	9.2958	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.6584	-7.975	9.2958	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.8518	-8.628	9.2959	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.8518	-8.622	9.2959	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.9740	-8.385	9.2960	0.0	11.9254	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4713.9740	-8.172	9.2960	0.0	11.9254	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4714.6054	-4.799	9.5122	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4714.6054	-4.058	9.5122	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4718.5864	-9.764	9.2956	4.0	11.9224	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4718.5864	-8.721	9.2956	4.0	11.9224	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4718.8002	-8.281	9.2957	3.0	11.9224	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4718.8002	-6.625	9.2957	3.0	11.9224	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).7f	K04

S 1	4718.8002	-8.770	9.2957	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4718.8002	-7.332	9.2957	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4718.8804	-7.801	9.4804	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4718.8804	-7.089	9.4804	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4718.8804	-7.815	9.4804	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4718.8804	-7.319	9.4804	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4719.0430	-7.493	9.2958	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4719.0430	-7.058	9.2958	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4719.0430	-7.579	9.2958	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4719.0430	-7.191	9.2958	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4719.2368	-9.716	9.2959	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4719.2368	-7.730	9.2959	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4723.6051	-6.493	9.5122	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4723.6051	-4.703	9.5122	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4723.6051	-5.402	9.5122	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4723.6051	-4.985	9.5122	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4730.5789	-7.018	9.4169	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4730.5789	-4.426	9.4169	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4730.5789	-6.236	9.4169	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4730.5789	-4.743	9.4169	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4730.6684	-4.795	9.4170	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4730.6684	-4.263	9.4170	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4730.6684	-4.781	9.4170	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4730.6684	-4.424	9.4170	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4730.6684	-5.355	9.4170	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4730.6684	-4.874	9.4170	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4731.1162	-5.004	9.5122	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4731.1162	-4.440	9.5122	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4731.6043	-5.156	9.4175	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4731.6043	-3.746	9.4175	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4731.6043	-5.077	9.4175	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4731.6043	-4.013	9.4175	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4731.6043	-6.347	9.4175	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4731.6043	-4.617	9.4175	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4737.8428	-5.428	9.4169	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4737.8428	-4.080	9.4169	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4737.9326	-4.398	9.4170	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4737.9326	-4.167	9.4170	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).9f	K04

S 1	4737.9326	-6.433	9.4170	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4737.9326	-4.690	9.4170	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4738.8714	-6.466	9.4175	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4738.8714	-4.145	9.4175	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4738.8714	-7.462	9.4175	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4738.8714	-4.768	9.4175	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4738.8714	-6.389	9.4175	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4738.8714	-5.882	9.4175	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4744.0031	-7.409	9.5122	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4744.0031	-5.111	9.5122	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4744.0031	-5.841	9.5122	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4744.0031	-5.206	9.5122	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4744.2305	-8.243	9.4804	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4744.2305	-7.006	9.4804	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4744.2305	-7.864	9.4804	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4744.2305	-7.462	9.4804	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4744.2305	-8.629	9.4804	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4744.2305	-7.650	9.4804	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4751.3083	-5.808	9.5122	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4751.3083	-4.634	9.5122	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4751.3105	-7.568	9.4804	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4751.3105	-7.274	9.4804	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4751.3105	-8.274	9.4804	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4751.3105	-7.675	9.4804	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4769.7383	-7.564	9.5122	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4769.7383	-4.538	9.5122	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4769.7383	-6.162	9.5122	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4769.7383	-5.380	9.5122	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4776.4086	-5.677	9.5637	0.0	12.1587	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4776.4086	-5.057	9.5637	0.0	12.1587	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4776.7350	-5.239	9.5122	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4776.7350	-4.639	9.5122	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4779.7474	-6.697	9.5655	1.0	12.1587	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4779.7474	-4.782	9.5655	1.0	12.1587	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4779.7474	-5.080	9.5655	1.0	12.1587	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4779.7474	-4.846	9.5655	1.0	12.1587	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4786.8445	-6.684	9.5693	2.0	12.1587	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4786.8445	-4.212	9.5693	2.0	12.1587	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).17f	K04

S 1	4786.8445	-5.508	9.5693	2.0	12.1587	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4786.8445	-4.347	9.5693	2.0	12.1587	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4786.8445	-5.710	9.5693	2.0	12.1587	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4786.8445	-4.864	9.5693	2.0	12.1587	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	4786.9797	-5.137	9.5655	1.0	12.1548	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4786.9797	-4.414	9.5655	1.0	12.1548	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4787.5941	-2.883	9.5637	0.0	12.1527	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4787.5941	-2.471	9.5637	0.0	12.1527	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4788.2454	-8.080	9.4804	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4788.2454	-7.176	9.4804	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4788.2454	-8.997	9.4804	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4788.2454	-7.217	9.4804	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4788.2454	-8.944	9.4804	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4788.2454	-7.739	9.4804	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4790.9485	-2.496	9.5655	1.0	12.1527	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4790.9485	-2.346	9.5655	1.0	12.1527	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4790.9485	-2.875	9.5655	1.0	12.1527	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4790.9485	-2.362	9.5655	1.0	12.1527	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4794.0984	-6.259	9.5693	2.0	12.1548	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4794.0984	-4.691	9.5693	2.0	12.1548	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4794.0984	-5.852	9.5693	2.0	12.1548	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4794.0984	-5.124	9.5693	2.0	12.1548	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	4795.8026	-7.640	9.4804	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4795.8026	-7.484	9.4804	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4795.8026	-8.373	9.4804	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4795.8026	-7.722	9.4804	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4798.0790	-4.114	9.5693	2.0	12.1527	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4798.0790	-1.847	9.5693	2.0	12.1527	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4798.0790	-2.879	9.5693	2.0	12.1527	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4798.0790	-1.990	9.5693	2.0	12.1527	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4798.0790	-3.349	9.5693	2.0	12.1527	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4798.0790	-2.505	9.5693	2.0	12.1527	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	4798.1918	-5.798	9.5655	1.0	12.1488	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4798.1918	-1.864	9.5655	1.0	12.1488	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4801.4366	-3.545	9.5637	0.0	12.1452	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4801.4366	-3.317	9.5637	0.0	12.1452	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4802.7122	-6.662	9.5122	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4802.7122	-4.174	9.5122	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).11f	K04

S 1	4802.7122	-8.246	9.5122	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4802.7122	-4.818	9.5122	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4804.8104	-3.298	9.5655	1.0	12.1452	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4804.8104	-3.093	9.5655	1.0	12.1452	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4804.8104	-3.819	9.5655	1.0	12.1452	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4804.8104	-3.161	9.5655	1.0	12.1452	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4805.3439	-3.194	9.5693	2.0	12.1488	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4805.3439	-1.936	9.5693	2.0	12.1488	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4805.3439	-3.047	9.5693	2.0	12.1488	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4805.3439	-2.516	9.5693	2.0	12.1488	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	4809.9680	-6.885	9.5122	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4809.9680	-4.790	9.5122	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4811.9822	-4.608	9.5693	2.0	12.1452	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4811.9822	-2.632	9.5693	2.0	12.1452	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4811.9822	-3.458	9.5693	2.0	12.1452	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4811.9822	-2.780	9.5693	2.0	12.1452	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4811.9822	-3.937	9.5693	2.0	12.1452	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4811.9822	-3.239	9.5693	2.0	12.1452	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	4812.0725	-5.037	9.5655	1.0	12.1413	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4812.0725	-2.736	9.5655	1.0	12.1413	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4813.3492	-7.985	9.4169	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4813.3492	-6.592	9.4169	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4813.3492	-7.844	9.4169	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4813.3492	-6.801	9.4169	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4813.4419	-8.512	9.4170	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4813.4419	-5.775	9.4170	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4813.4419	-7.680	9.4170	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4813.4419	-5.865	9.4170	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4813.4419	-8.192	9.4170	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4813.4419	-6.288	9.4170	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4814.4108	-7.628	9.4175	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4814.4108	-5.339	9.4175	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4814.4108	-6.348	9.4175	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4814.4108	-5.725	9.4175	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4814.4108	-6.889	9.4175	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4814.4108	-6.365	9.4175	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4818.0513	-4.227	9.5637	0.0	12.1363	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4818.0513	-3.466	9.5637	0.0	12.1363	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).14f	K04

S 1	4819.2661	-4.135	9.5693	2.0	12.1413	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4819.2661	-2.750	9.5693	2.0	12.1413	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4819.2661	-3.987	9.5693	2.0	12.1413	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4819.2661	-3.397	9.5693	2.0	12.1413	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	4820.9161	-6.705	9.4169	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4820.9161	-5.774	9.4169	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4821.0091	-6.386	9.4170	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4821.0091	-5.682	9.4170	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4821.0091	-6.268	9.4170	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4821.0091	-6.194	9.4170	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4821.4486	-3.658	9.5655	1.0	12.1363	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4821.4486	-3.422	9.5655	1.0	12.1363	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4821.4486	-4.203	9.5655	1.0	12.1363	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4821.4486	-3.722	9.5655	1.0	12.1363	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4821.9811	-7.587	9.4175	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4821.9811	-6.241	9.4175	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4821.9811	-7.936	9.4175	3.0	11.9880	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4821.9811	-6.893	9.4175	3.0	11.9880	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4821.9811	-7.744	9.4175	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4821.9811	-7.107	9.4175	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4828.6702	-4.811	9.5693	2.0	12.1363	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4828.6702	-2.925	9.5693	2.0	12.1363	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4828.6702	-4.134	9.5693	2.0	12.1363	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4828.6702	-2.962	9.5693	2.0	12.1363	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4828.6702	-5.222	9.5693	2.0	12.1363	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4828.6702	-3.535	9.5693	2.0	12.1363	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	4829.2743	-3.582	9.5655	1.0	12.1322	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4829.2743	-3.073	9.5655	1.0	12.1322	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4836.5194	-4.280	9.5693	2.0	12.1322	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4836.5194	-3.049	9.5693	2.0	12.1322	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4836.5194	-5.718	9.5693	2.0	12.1322	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4836.5194	-3.601	9.5693	2.0	12.1322	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	4839.2750	-4.273	9.5637	0.0	12.1250	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4839.2750	-3.643	9.5637	0.0	12.1250	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4842.7022	-3.819	9.5655	1.0	12.1250	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4842.7022	-3.531	9.5655	1.0	12.1250	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4842.7022	-3.853	9.5655	1.0	12.1250	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4842.7022	-3.798	9.5655	1.0	12.1250	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).13f	K04



S 1	4847.8240	-7.208	9.5122	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4847.8240	-4.952	9.5122	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4847.8240	-5.963	9.5122	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4847.8240	-4.994	9.5122	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4848.0614	-9.457	9.4804	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4848.0614	-7.269	9.4804	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4848.0614	-7.817	9.4804	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4848.0614	-7.339	9.4804	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4848.0614	-9.167	9.4804	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4848.0614	-7.808	9.4804	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4849.9877	-6.515	9.5693	2.0	12.1250	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4849.9877	-3.106	9.5693	2.0	12.1250	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4849.9877	-4.956	9.5693	2.0	12.1250	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4849.9877	-3.138	9.5693	2.0	12.1250	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4849.9877	-5.184	9.5693	2.0	12.1250	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4849.9877	-3.616	9.5693	2.0	12.1250	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	4850.3148	-3.437	9.5655	1.0	12.1210	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4850.3148	-3.381	9.5655	1.0	12.1210	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4855.5706	-7.738	9.5122	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4855.5706	-5.177	9.5122	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4855.6909	-8.081	9.4804	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4855.6909	-7.435	9.4804	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4855.6909	-8.414	9.4804	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4855.6909	-8.003	9.4804	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4857.6232	-4.241	9.5693	2.0	12.1210	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4857.6232	-3.225	9.5693	2.0	12.1210	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4857.6232	-5.160	9.5693	2.0	12.1210	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4857.6232	-3.676	9.5693	2.0	12.1210	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	4866.0572	-4.082	9.5637	0.0	12.1109	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4866.0572	-3.558	9.5637	0.0	12.1109	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4869.5224	-3.800	9.5655	1.0	12.1109	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4869.5224	-3.578	9.5655	1.0	12.1109	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4869.5224	-3.999	9.5655	1.0	12.1109	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4869.5224	-3.909	9.5655	1.0	12.1109	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4876.8151	-3.751	9.5655	1.0	12.1071	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4876.8151	-3.188	9.5655	1.0	12.1071	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4876.8889	-4.584	9.5693	2.0	12.1109	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4876.8889	-3.157	9.5693	2.0	12.1109	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).12f	K04

S 1	4876.8889	-7.176	9.5693	2.0	12.1109	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4876.8889	-3.182	9.5693	2.0	12.1109	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4876.8889	-4.190	9.5693	2.0	12.1109	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4876.8889	-3.652	9.5693	2.0	12.1109	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	4884.2037	-4.072	9.5693	2.0	12.1071	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4884.2037	-3.372	9.5693	2.0	12.1071	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4884.2037	-4.020	9.5693	2.0	12.1071	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4884.2037	-3.611	9.5693	2.0	12.1071	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	4898.1288	-8.188	9.2956	4.0	11.8262	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.1288	-6.498	9.2956	4.0	11.8262	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.1288	-7.779	9.2956	4.0	11.8262	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.1288	-7.630	9.2956	4.0	11.8262	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.3592	-7.210	9.2957	3.0	11.8262	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.3592	-6.674	9.2957	3.0	11.8262	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.3592	-8.569	9.2957	3.0	11.8262	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.3592	-6.986	9.2957	3.0	11.8262	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.3592	-9.453	9.2957	3.0	11.8262	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.3592	-7.874	9.2957	3.0	11.8262	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.6209	-8.542	9.2958	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.6209	-6.666	9.2958	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.6209	-8.148	9.2958	2.0	11.8262	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.6209	-7.352	9.2958	2.0	11.8262	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.8297	-7.775	9.2959	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.8297	-6.463	9.2959	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.8297	-7.414	9.2959	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.8297	-6.845	9.2959	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.9617	-7.620	9.2960	0.0	11.8262	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4898.9617	-6.401	9.2960	0.0	11.8262	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	4900.3810	-4.412	9.5637	0.0	12.0931	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4900.3810	-3.883	9.5637	0.0	12.0931	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4903.8953	-3.879	9.5655	1.0	12.0931	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4903.8953	-3.768	9.5655	1.0	12.0931	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4903.8953	-4.118	9.5655	1.0	12.0931	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4903.8953	-3.799	9.5655	1.0	12.0931	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4906.3742	-8.396	9.2956	4.0	11.8219	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4906.3742	-8.299	9.2956	4.0	11.8219	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4906.6054	-7.844	9.2957	3.0	11.8219	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4906.6054	-6.215	9.2957	3.0	11.8219	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).6f	K04

S 1	4906.6054	-8.235	9.2957	3.0	11.8219	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4906.6054	-6.977	9.2957	3.0	11.8219	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4906.6054	-8.422	9.2957	3.0	11.8219	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4906.6054	-8.411	9.2957	3.0	11.8219	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4906.8679	-6.548	9.2958	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4906.8679	-6.178	9.2958	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4906.8679	-8.466	9.2958	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4906.8679	-6.563	9.2958	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4907.0775	-6.351	9.2959	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4907.0775	-6.134	9.2959	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	4909.1474	-6.758	9.5122	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4909.1474	-5.008	9.5122	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4909.1474	-5.629	9.5122	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4909.1474	-5.153	9.5122	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	4911.3662	-4.480	9.5693	2.0	12.0931	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4911.3662	-3.223	9.5693	2.0	12.0931	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4911.3662	-4.085	9.5693	2.0	12.0931	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4911.3662	-3.487	9.5693	2.0	12.0931	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4911.3662	-4.841	9.5693	2.0	12.0931	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4911.3662	-3.803	9.5693	2.0	12.0931	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	4911.4603	-3.885	9.5655	1.0	12.0892	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4911.4603	-3.339	9.5655	1.0	12.0892	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4916.9704	-7.590	9.5122	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4916.9704	-4.686	9.5122	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	4918.9543	-3.777	9.5693	2.0	12.0892	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4918.9543	-3.489	9.5693	2.0	12.0892	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4918.9543	-4.484	9.5693	2.0	12.0892	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4918.9543	-3.847	9.5693	2.0	12.0892	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	4935.0316	-7.760	9.4804	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4935.0316	-7.583	9.4804	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4935.0316	-7.640	9.4804	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4935.0316	-7.584	9.4804	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4935.0316	-9.554	9.4804	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4935.0316	-7.876	9.4804	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4941.2248	-5.446	9.4169	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4941.2248	-4.984	9.4169	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4941.2248	-6.161	9.4169	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4941.2248	-5.090	9.4169	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04

S 1	4941.3225	-8.455	9.4170	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4941.3225	-4.611	9.4170	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4941.3225	-5.573	9.4170	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4941.3225	-4.749	9.4170	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4941.3225	-5.741	9.4170	2.0	11.9254	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4941.3225	-5.367	9.4170	2.0	11.9254	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4942.3436	-5.425	9.4175	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4942.3436	-4.241	9.4175	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4942.3436	-4.930	9.4175	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4942.3436	-4.624	9.4175	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4942.3436	-5.640	9.4175	3.0	11.9254	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4942.3436	-5.281	9.4175	3.0	11.9254	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	4942.9863	-8.555	9.4804	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4942.9863	-7.485	9.4804	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4942.9863	-8.492	9.4804	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4942.9863	-8.190	9.4804	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	4947.1422	-5.806	9.4169	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4947.1422	-5.620	9.4169	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4947.2401	-4.750	9.4170	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4947.2401	-4.642	9.4170	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4947.2401	-5.347	9.4170	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4947.2401	-5.251	9.4170	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4947.3552	-4.503	9.5637	0.0	12.0691	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4947.3552	-3.907	9.5637	0.0	12.0691	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4948.2637	-7.755	9.4175	3.0	11.9224	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4948.2637	-4.442	9.4175	3.0	11.9224	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4948.2637	-6.714	9.4175	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4948.2637	-5.068	9.4175	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4948.2637	-6.185	9.4175	3.0	11.9224	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4948.2637	-5.317	9.4175	3.0	11.9224	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	4950.9373	-4.005	9.5655	1.0	12.0691	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4950.9373	-3.753	9.5655	1.0	12.0691	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4950.9373	-4.129	9.5655	1.0	12.0691	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4950.9373	-4.002	9.5655	1.0	12.0691	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4958.5523	-4.198	9.5693	2.0	12.0691	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4958.5523	-3.290	9.5693	2.0	12.0691	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4958.5523	-5.143	9.5693	2.0	12.0691	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4958.5523	-3.298	9.5693	2.0	12.0691	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).10f	K04

S 1	4958.5523	-5.064	9.5693	2.0	12.0691	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4958.5523	-3.805	9.5693	2.0	12.0691	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	4959.0172	-4.046	9.5655	1.0	12.0650	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4959.0172	-3.331	9.5655	1.0	12.0650	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4966.6571	-3.761	9.5693	2.0	12.0650	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4966.6571	-3.602	9.5693	2.0	12.0650	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4966.6571	-4.476	9.5693	2.0	12.0650	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4966.6571	-3.863	9.5693	2.0	12.0650	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	4998.3431	-6.400	9.5122	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4998.3431	-5.021	9.5122	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4998.3431	-6.419	9.5122	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	4998.3431	-5.083	9.5122	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5006.5034	-7.488	9.5122	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5006.5034	-4.741	9.5122	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5011.2390	-4.590	9.5637	0.0	12.0371	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5011.2390	-3.894	9.5637	0.0	12.0371	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5014.9142	-4.088	9.5655	1.0	12.0371	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5014.9142	-3.714	9.5655	1.0	12.0371	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5014.9142	-4.167	9.5655	1.0	12.0371	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5014.9142	-3.992	9.5655	1.0	12.0371	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5022.7275	-5.622	9.5693	2.0	12.0371	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5022.7275	-3.278	9.5693	2.0	12.0371	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5022.7275	-3.835	9.5693	2.0	12.0371	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5022.7275	-3.364	9.5693	2.0	12.0371	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5022.7275	-5.222	9.5693	2.0	12.0371	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5022.7275	-3.797	9.5693	2.0	12.0371	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5023.0783	-4.147	9.5655	1.0	12.0331	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5023.0783	-3.350	9.5655	1.0	12.0331	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5030.9170	-4.112	9.5693	2.0	12.0331	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5030.9170	-3.469	9.5693	2.0	12.0331	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5030.9170	-4.437	9.5693	2.0	12.0331	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5030.9170	-3.958	9.5693	2.0	12.0331	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5050.1684	-9.772	9.7044	4.0	12.1587	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.1684	-7.162	9.7044	4.0	12.1587	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.1684	-8.881	9.7044	4.0	12.1587	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.1684	-8.251	9.7044	4.0	12.1587	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.2756	-7.278	9.7044	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.2756	-7.254	9.7044	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04

S 1	5050.2756	-8.438	9.7044	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.2756	-7.329	9.7044	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.2756	-9.105	9.7044	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.2756	-8.201	9.7044	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.3858	-9.307	9.7045	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.3858	-6.937	9.7045	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.3858	-7.463	9.7045	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.3858	-7.288	9.7045	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.3955	-7.646	9.7045	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.3955	-7.361	9.7045	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.3955	-7.805	9.7045	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.3955	-7.593	9.7045	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.3955	-9.722	9.7045	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.3955	-7.858	9.7045	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.4246	-7.437	9.7045	0.0	12.1587	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5050.4246	-7.286	9.7045	0.0	12.1587	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5054.8516	-5.864	9.7066	1.0	12.1587	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5054.8516	-3.032	9.7066	1.0	12.1587	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5054.8516	-3.818	9.7066	1.0	12.1587	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5054.8516	-3.429	9.7066	1.0	12.1587	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5058.2430	-9.006	9.7044	4.0	12.1548	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5058.2430	-8.503	9.7044	4.0	12.1548	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5058.3505	-9.000	9.7044	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5058.3505	-6.790	9.7044	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5058.3505	-8.143	9.7044	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5058.3505	-7.426	9.7044	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5058.3505	-9.007	9.7044	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5058.3505	-8.997	9.7044	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5058.4610	-7.590	9.7045	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5058.4610	-6.456	9.7045	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5058.4708	-7.895	9.7045	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5058.4708	-6.424	9.7045	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5058.4708	-7.367	9.7045	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5058.4708	-7.304	9.7045	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5062.6745	-7.690	9.7044	4.0	12.1527	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.6745	-4.888	9.7044	4.0	12.1527	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.6745	-6.647	9.7044	4.0	12.1527	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.6745	-5.749	9.7044	4.0	12.1527	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04

S 1	5062.7822	-5.008	9.7044	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.7822	-4.896	9.7044	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.7822	-6.177	9.7044	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.7822	-5.082	9.7044	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.7822	-6.342	9.7044	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.7822	-5.904	9.7044	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.8929	-5.501	9.7045	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.8929	-4.587	9.7045	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.8929	-5.495	9.7045	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.8929	-4.756	9.7045	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.9027	-5.276	9.7045	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.9027	-4.727	9.7045	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.9027	-5.199	9.7045	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.9027	-5.098	9.7045	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.9027	-7.408	9.7045	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.9027	-5.528	9.7045	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.9319	-5.145	9.7045	0.0	12.1527	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.9319	-4.728	9.7045	0.0	12.1527	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5062.9411	-5.703	9.7066	1.0	12.1548	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5062.9411	-3.107	9.7066	1.0	12.1548	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5067.3809	-3.495	9.7066	1.0	12.1527	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5067.3809	-1.068	9.7066	1.0	12.1527	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5067.3809	-1.804	9.7066	1.0	12.1527	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5067.3809	-1.557	9.7066	1.0	12.1527	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5069.5446	-8.057	9.4804	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5069.5446	-7.485	9.4804	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5069.5446	-8.086	9.4804	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5069.5446	-7.534	9.4804	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5070.7634	-6.743	9.7044	4.0	12.1488	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5070.7634	-6.184	9.7044	4.0	12.1488	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5070.7634	-7.298	9.7044	4.0	12.1488	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5070.7634	-6.889	9.7044	4.0	12.1488	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5070.8714	-6.393	9.7044	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5070.8714	-4.617	9.7044	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5070.8714	-5.923	9.7044	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5070.8714	-5.380	9.7044	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5070.8714	-7.398	9.7044	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5070.8714	-6.458	9.7044	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04

S 1	5070.9826	-5.991	9.7045	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5070.9826	-4.016	9.7045	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5070.9923	-6.546	9.7045	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5070.9923	-4.066	9.7045	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5070.9923	-5.047	9.7045	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5070.9923	-4.969	9.7045	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5075.4849	-2.764	9.7066	1.0	12.1488	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5075.4849	-1.228	9.7066	1.0	12.1488	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5075.7735	-9.064	9.4804	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5075.7735	-7.547	9.4804	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5075.7735	-8.199	9.4804	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5075.7735	-8.037	9.4804	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5078.1559	-9.305	9.7044	4.0	12.1452	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.1559	-5.906	9.7044	4.0	12.1452	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.1559	-7.771	9.7044	4.0	12.1452	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.1559	-6.726	9.7044	4.0	12.1452	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.2642	-6.018	9.7044	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.2642	-5.904	9.7044	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.2642	-7.123	9.7044	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.2642	-6.094	9.7044	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.2642	-7.694	9.7044	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.2642	-7.036	9.7044	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.3756	-6.181	9.7045	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.3756	-5.572	9.7045	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.3756	-6.572	9.7045	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.3756	-5.728	9.7045	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.3854	-6.202	9.7045	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.3854	-5.652	9.7045	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.3854	-6.093	9.7045	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.3854	-6.057	9.7045	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.3854	-7.426	9.7045	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.3854	-6.290	9.7045	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.4149	-5.979	9.7045	0.0	12.1452	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5078.4149	-5.723	9.7045	0.0	12.1452	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5082.8911	-6.677	9.7066	1.0	12.1452	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5082.8911	-2.136	9.7066	1.0	12.1452	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5082.8911	-2.753	9.7066	1.0	12.1452	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5082.8911	-2.691	9.7066	1.0	12.1452	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).15f	K04



S 1	5086.2685	-7.768	9.7044	4.0	12.1413	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.2685	-7.140	9.7044	4.0	12.1413	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.2685	-8.407	9.7044	4.0	12.1413	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.2685	-8.237	9.7044	4.0	12.1413	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.3772	-7.472	9.7044	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.3772	-5.650	9.7044	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.3772	-7.023	9.7044	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.3772	-6.381	9.7044	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.3772	-7.933	9.7044	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.3772	-7.591	9.7044	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.4890	-8.552	9.7045	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.4890	-5.046	9.7045	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.4988	-7.299	9.7045	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.4988	-5.056	9.7045	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.4988	-6.077	9.7045	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5086.4988	-6.038	9.7045	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5091.0189	-3.474	9.7066	1.0	12.1413	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5091.0189	-2.318	9.7066	1.0	12.1413	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5096.7446	-8.292	9.7044	4.0	12.1363	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.7446	-7.213	9.7044	4.0	12.1363	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.8537	-6.516	9.7044	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.8537	-6.366	9.7044	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.8537	-7.562	9.7044	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.8537	-6.559	9.7044	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.8537	-7.474	9.7044	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.8537	-7.096	9.7044	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.9660	-7.211	9.7045	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.9660	-6.024	9.7045	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.9660	-8.138	9.7045	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.9660	-6.130	9.7045	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.9759	-6.645	9.7045	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.9759	-6.087	9.7045	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.9759	-6.510	9.7045	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.9759	-6.233	9.7045	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.9759	-8.493	9.7045	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5096.9759	-6.896	9.7045	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5097.0055	-6.857	9.7045	0.0	12.1363	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5097.0055	-6.002	9.7045	0.0	12.1363	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).14f	K04

S 1	5101.5146	-3.492	9.7066	1.0	12.1363	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5101.5146	-2.797	9.7066	1.0	12.1363	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5101.5146	-3.828	9.7066	1.0	12.1363	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5101.5146	-3.054	9.7066	1.0	12.1363	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5104.2182	-4.726	9.5637	0.0	11.9921	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5104.2182	-3.873	9.5637	0.0	11.9921	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5105.4903	-8.269	9.7044	4.0	12.1322	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.4903	-7.571	9.7044	4.0	12.1322	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.4903	-8.792	9.7044	4.0	12.1322	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.4903	-8.668	9.7044	4.0	12.1322	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.5998	-7.965	9.7044	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.5998	-6.144	9.7044	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.5998	-7.462	9.7044	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.5998	-6.859	9.7044	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.5998	-9.205	9.7044	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.5998	-7.555	9.7044	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.7125	-6.122	9.7045	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.7125	-5.555	9.7045	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.7224	-8.682	9.7045	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.7224	-5.503	9.7045	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.7224	-7.247	9.7045	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5105.7224	-6.305	9.7045	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5108.0312	-4.185	9.5655	1.0	11.9921	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5108.0312	-3.677	9.5655	1.0	11.9921	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5108.0312	-5.030	9.5655	1.0	11.9921	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5108.0312	-3.807	9.5655	1.0	11.9921	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5110.2767	-4.086	9.7066	1.0	12.1322	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5110.2767	-2.951	9.7066	1.0	12.1322	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5116.1375	-3.689	9.5693	2.0	11.9921	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5116.1375	-3.474	9.5693	2.0	11.9921	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5116.1375	-3.561	9.5693	2.0	11.9921	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5116.1375	-3.485	9.5693	2.0	11.9921	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5116.1375	-5.533	9.5693	2.0	11.9921	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5116.1375	-3.774	9.5693	2.0	11.9921	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5116.5538	-4.399	9.5655	1.0	11.9880	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5116.5538	-3.315	9.5655	1.0	11.9880	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5120.5006	-8.596	9.7044	4.0	12.1250	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.5006	-7.921	9.7044	4.0	12.1250	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04

S 1	5120.6107	-6.907	9.7044	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.6107	-6.705	9.7044	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.6107	-7.900	9.7044	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.6107	-6.861	9.7044	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.6107	-8.468	9.7044	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.6107	-7.883	9.7044	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.7240	-7.228	9.7045	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.7240	-6.302	9.7045	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.7240	-7.645	9.7045	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.7240	-6.458	9.7045	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.7340	-6.964	9.7045	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.7340	-6.424	9.7045	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.7340	-7.611	9.7045	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.7340	-6.528	9.7045	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.7340	-9.656	9.7045	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.7340	-6.991	9.7045	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.7639	-7.033	9.7045	0.0	12.1250	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5120.7639	-6.311	9.7045	0.0	12.1250	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5124.6872	-4.458	9.5693	2.0	11.9880	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5124.6872	-3.412	9.5693	2.0	11.9880	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5124.6872	-4.352	9.5693	2.0	11.9880	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5124.6872	-4.038	9.5693	2.0	11.9880	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5125.3152	-4.076	9.7066	1.0	12.1250	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5125.3152	-3.333	9.7066	1.0	12.1250	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5125.3152	-4.252	9.7066	1.0	12.1250	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5125.3152	-3.632	9.7066	1.0	12.1250	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5129.0123	-8.664	9.7044	4.0	12.1210	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5129.0123	-7.877	9.7044	4.0	12.1210	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5129.0123	-8.985	9.7044	4.0	12.1210	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5129.0123	-8.946	9.7044	4.0	12.1210	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5129.1228	-8.368	9.7044	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5129.1228	-6.530	9.7044	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5129.1228	-7.764	9.7044	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5129.1228	-7.230	9.7044	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5129.1228	-8.678	9.7044	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5129.1228	-8.391	9.7044	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5129.2365	-6.092	9.7045	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5129.2365	-6.034	9.7045	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04

S 1	5129.2465	-8.365	9.7045	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5129.2465	-5.827	9.7045	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5129.2465	-9.715	9.7045	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5129.2465	-6.501	9.7045	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5133.8429	-4.015	9.7066	1.0	12.1210	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5133.8429	-3.507	9.7066	1.0	12.1210	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5136.3778	-6.052	9.5122	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5136.3778	-5.044	9.5122	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5136.3778	-8.196	9.5122	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5136.3778	-5.057	9.5122	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5142.7721	-6.856	9.5122	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5142.7721	-4.747	9.5122	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5144.8630	-4.714	9.4169	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5144.8630	-4.176	9.4169	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5144.8630	-5.103	9.4169	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5144.8630	-4.318	9.4169	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5144.9689	-5.197	9.4170	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5144.9689	-3.789	9.4170	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5144.9689	-4.712	9.4170	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5144.9689	-3.907	9.4170	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5144.9689	-5.201	9.4170	2.0	11.8262	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5144.9689	-4.426	9.4170	2.0	11.8262	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5146.0759	-4.716	9.4175	3.0	11.8262	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5146.0759	-3.385	9.4175	3.0	11.8262	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5146.0759	-4.313	9.4175	3.0	11.8262	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5146.0759	-3.699	9.4175	3.0	11.8262	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5146.0759	-4.780	9.4175	3.0	11.8262	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5146.0759	-4.425	9.4175	3.0	11.8262	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5150.4955	-9.708	9.7044	4.0	12.1109	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.4955	-7.668	9.7044	4.0	12.1109	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.6070	-7.300	9.7044	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.6070	-7.022	9.7044	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.6070	-8.100	9.7044	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.6070	-7.280	9.7044	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.6070	-9.142	9.7044	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.6070	-8.384	9.7044	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.7216	-6.765	9.7045	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.7216	-6.745	9.7045	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04

S 1	5150.7216	-7.429	9.7045	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.7216	-6.783	9.7045	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.7317	-7.788	9.7045	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.7317	-6.594	9.7045	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.7317	-7.141	9.7045	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.7317	-6.609	9.7045	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.7317	-7.963	9.7045	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.7317	-6.744	9.7045	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.7620	-6.909	9.7045	0.0	12.1109	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5150.7620	-6.246	9.7045	0.0	12.1109	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5153.9607	-5.065	9.4169	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5153.9607	-3.714	9.4169	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5154.0670	-3.906	9.4170	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5154.0670	-3.810	9.4170	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5154.0670	-6.608	9.4170	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5154.0670	-4.349	9.4170	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5155.1780	-6.714	9.4175	3.0	11.8219	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5155.1780	-3.632	9.4175	3.0	11.8219	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5155.1780	-5.501	9.4175	3.0	11.8219	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5155.1780	-4.316	9.4175	3.0	11.8219	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5155.1780	-5.667	9.4175	3.0	11.8219	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5155.1780	-5.468	9.4175	3.0	11.8219	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5155.3667	-4.659	9.7066	1.0	12.1109	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5155.3667	-4.076	9.7066	1.0	12.1109	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5155.3667	-5.526	9.7066	1.0	12.1109	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5155.3667	-4.547	9.7066	1.0	12.1109	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5158.6548	-9.070	9.7044	4.0	12.1071	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5158.6548	-8.148	9.7044	4.0	12.1071	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5158.6548	-9.317	9.7044	4.0	12.1071	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5158.6548	-9.231	9.7044	4.0	12.1071	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5158.7666	-8.817	9.7044	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5158.7666	-6.932	9.7044	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5158.7666	-8.390	9.7044	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5158.7666	-7.099	9.7044	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5158.7666	-7.957	9.7044	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5158.7666	-7.597	9.7044	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5158.8816	-6.580	9.7045	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5158.8816	-6.072	9.7045	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04

S 1	5158.8917	-7.542	9.7045	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5158.8917	-6.142	9.7045	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5158.8917	-7.045	9.7045	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5158.8917	-6.546	9.7045	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5159.9781	-4.363	9.7566	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5159.9781	-3.577	9.7566	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5159.9781	-4.223	9.7566	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5159.9781	-3.698	9.7566	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5159.9781	-4.594	9.7566	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5159.9781	-4.343	9.7566	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5160.0926	-4.356	9.7566	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5160.0926	-3.165	9.7566	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5160.0926	-5.064	9.7566	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5160.0926	-3.285	9.7566	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5160.0926	-5.823	9.7566	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5160.0926	-4.052	9.7566	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5160.2871	-5.186	9.7567	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5160.2871	-3.969	9.7567	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5160.2871	-5.869	9.7567	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5160.2871	-3.984	9.7567	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5163.5414	-7.324	9.7066	1.0	12.1071	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5163.5414	-4.364	9.7066	1.0	12.1071	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5168.4079	-4.242	9.7566	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5168.4079	-3.386	9.7566	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5168.4079	-5.430	9.7566	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5168.4079	-4.119	9.7566	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5168.5228	-5.696	9.7566	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5168.5228	-3.441	9.7566	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5168.5228	-4.521	9.7566	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5168.5228	-3.800	9.7566	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5168.5228	-5.592	9.7566	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5168.5228	-5.105	9.7566	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5168.7179	-3.790	9.7567	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5168.7179	-3.776	9.7567	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5173.0347	-1.736	9.7566	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5173.0347	-1.327	9.7566	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5173.0347	-2.081	9.7566	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5173.0347	-1.348	9.7566	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04

S 1	5173.0347	-2.093	9.7566	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5173.0347	-2.057	9.7566	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5173.1498	-2.053	9.7566	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5173.1498	-0.783	9.7566	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5173.1498	-2.594	9.7566	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5173.1498	-1.025	9.7566	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5173.1498	-3.034	9.7566	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5173.1498	-1.666	9.7566	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5173.3452	-2.498	9.7567	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5173.3452	-1.566	9.7567	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5173.3452	-5.206	9.7567	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5173.3452	-1.736	9.7567	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5181.4804	-2.140	9.7566	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5181.4804	-1.028	9.7566	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5181.4804	-2.198	9.7566	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5181.4804	-1.902	9.7566	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5181.5959	-3.642	9.7566	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5181.5959	-1.148	9.7566	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5181.5959	-2.266	9.7566	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5181.5959	-2.055	9.7566	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5181.5959	-4.054	9.7566	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5181.5959	-2.876	9.7566	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5181.7919	-1.400	9.7567	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5181.7919	-1.369	9.7567	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5189.0782	-7.765	9.7044	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.0782	-7.315	9.7044	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.0782	-8.390	9.7044	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.0782	-7.570	9.7044	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.1946	-7.050	9.7045	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.1946	-6.834	9.7045	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.1946	-7.146	9.7045	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.1946	-6.959	9.7045	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.1994	-3.138	9.7566	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5189.1994	-2.318	9.7566	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5189.1994	-2.736	9.7566	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5189.1994	-2.336	9.7566	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5189.1994	-3.239	9.7566	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5189.1994	-3.153	9.7566	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04

S 1	5189.2048	-7.336	9.7045	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.2048	-6.810	9.7045	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.2048	-8.287	9.7045	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.2048	-7.447	9.7045	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.2048	-8.831	9.7045	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.2048	-7.577	9.7045	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.2355	-7.718	9.7045	0.0	12.0931	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.2355	-6.865	9.7045	0.0	12.0931	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5189.3152	-3.002	9.7566	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5189.3152	-1.785	9.7566	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5189.3152	-3.750	9.7566	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5189.3152	-2.014	9.7566	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5189.3152	-4.338	9.7566	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5189.3152	-2.694	9.7566	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5189.5119	-3.467	9.7567	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5189.5119	-2.636	9.7567	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5189.5119	-6.004	9.7567	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5189.5119	-2.782	9.7567	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5193.9093	-6.949	9.7066	1.0	12.0931	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5193.9093	-5.296	9.7066	1.0	12.0931	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5193.9093	-7.544	9.7066	1.0	12.0931	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5193.9093	-5.567	9.7066	1.0	12.0931	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5197.4359	-9.583	9.7044	4.0	12.0892	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5197.4359	-8.490	9.7044	4.0	12.0892	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5197.4359	-8.730	9.7044	4.0	12.0892	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5197.4359	-8.703	9.7044	4.0	12.0892	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5197.5494	-9.310	9.7044	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5197.5494	-7.368	9.7044	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5197.5494	-8.203	9.7044	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5197.5494	-8.141	9.7044	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5197.6661	-6.670	9.7045	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5197.6661	-6.470	9.7045	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5197.6710	-3.066	9.7566	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5197.6710	-2.016	9.7566	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5197.6710	-3.272	9.7566	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5197.6710	-2.754	9.7566	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5197.6764	-7.103	9.7045	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5197.6764	-6.453	9.7045	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).11f	K04



S 1	5197.6764	-8.001	9.7045	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5197.6764	-7.108	9.7045	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5197.7872	-4.568	9.7566	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5197.7872	-2.153	9.7566	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5197.7872	-3.278	9.7566	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5197.7872	-2.933	9.7566	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5197.7872	-4.218	9.7566	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5197.7872	-3.921	9.7566	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5197.9845	-2.461	9.7567	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5197.9845	-2.312	9.7567	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5202.3963	-6.566	9.7066	1.0	12.0892	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5202.3963	-5.484	9.7066	1.0	12.0892	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5208.6115	-3.006	9.7566	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.6115	-2.722	9.7566	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.6115	-3.177	9.7566	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.6115	-2.810	9.7566	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.6115	-3.660	9.7566	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.6115	-3.390	9.7566	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.7282	-3.480	9.7566	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.7282	-2.247	9.7566	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.7282	-4.327	9.7566	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.7282	-2.461	9.7566	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.7282	-3.343	9.7566	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.7282	-3.189	9.7566	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.9263	-4.615	9.7567	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.9263	-3.257	9.7567	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.9263	-6.102	9.7567	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5208.9263	-3.743	9.7567	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5217.7457	-3.645	9.7566	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5217.7457	-2.468	9.7566	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5217.7457	-3.757	9.7566	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5217.7457	-3.401	9.7566	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5217.8628	-5.048	9.7566	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5217.8628	-2.614	9.7566	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5217.8628	-3.690	9.7566	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5217.8628	-3.398	9.7566	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5217.8628	-5.331	9.7566	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5217.8628	-3.904	9.7566	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).14f	K04

S 1	5218.0616	-3.356	9.7567	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5218.0616	-2.598	9.7567	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5233.4243	-3.608	9.7566	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.4243	-3.145	9.7566	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.4243	-3.541	9.7566	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.4243	-3.295	9.7566	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.4243	-4.036	9.7566	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.4243	-3.839	9.7566	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.5421	-3.838	9.7566	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.5421	-2.586	9.7566	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.5421	-4.887	9.7566	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.5421	-2.704	9.7566	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.5421	-5.873	9.7566	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.5421	-3.525	9.7566	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.7421	-7.518	9.7567	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.7421	-3.278	9.7567	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.7421	-4.764	9.7567	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5233.7421	-3.592	9.7567	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5241.6645	-9.077	9.7044	4.0	12.0691	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.6645	-8.113	9.7044	4.0	12.0691	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.7799	-9.284	9.7044	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.7799	-7.954	9.7044	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.7799	-8.986	9.7044	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.7799	-8.009	9.7044	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.7799	-9.980	9.7044	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.7799	-9.000	9.7044	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.8986	-7.489	9.7045	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.8986	-7.168	9.7045	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.8986	-7.474	9.7045	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.8986	-7.244	9.7045	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.9091	-7.604	9.7045	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.9091	-7.090	9.7045	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.9091	-9.826	9.7045	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.9091	-7.412	9.7045	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.9091	-8.978	9.7045	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.9091	-7.631	9.7045	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.9404	-8.278	9.7045	0.0	12.0691	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5241.9404	-7.191	9.7045	0.0	12.0691	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).10f	K04

S 1	5242.3159	-4.232	9.7566	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5242.3159	-2.792	9.7566	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5242.3159	-4.572	9.7566	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5242.3159	-3.571	9.7566	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5242.4341	-5.384	9.7566	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5242.4341	-2.953	9.7566	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5242.4341	-3.960	9.7566	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5242.4341	-3.758	9.7566	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5242.4341	-4.949	9.7566	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5242.4341	-4.672	9.7566	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5242.6348	-4.804	9.7567	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5242.6348	-2.875	9.7567	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5245.2782	-7.680	9.2956	4.0	11.6587	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.2782	-6.038	9.2956	4.0	11.6587	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.2782	-7.460	9.2956	4.0	11.6587	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.2782	-7.175	9.2956	4.0	11.6587	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.5424	-6.742	9.2957	3.0	11.6587	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.5424	-6.264	9.2957	3.0	11.6587	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.5424	-7.584	9.2957	3.0	11.6587	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.5424	-6.609	9.2957	3.0	11.6587	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.5424	-8.655	9.2957	3.0	11.6587	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.5424	-7.363	9.2957	3.0	11.6587	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.8425	-7.777	9.2958	2.0	11.6587	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.8425	-5.938	9.2958	2.0	11.6587	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.8425	-7.426	9.2958	2.0	11.6587	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.8425	-6.124	9.2958	2.0	11.6587	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.8425	-7.479	9.2958	2.0	11.6587	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5245.8425	-6.747	9.2958	2.0	11.6587	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5246.0820	-7.409	9.2959	1.0	11.6587	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5246.0820	-5.809	9.2959	1.0	11.6587	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5246.0820	-6.814	9.2959	1.0	11.6587	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5246.0820	-6.081	9.2959	1.0	11.6587	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5246.2334	-8.030	9.2960	0.0	11.6587	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5246.2334	-5.751	9.2960	0.0	11.6587	1.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5246.7097	-4.730	9.7066	1.0	12.0691	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5246.7097	-4.049	9.7066	1.0	12.0691	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5246.7097	-5.370	9.7066	1.0	12.0691	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5246.7097	-4.290	9.7066	1.0	12.0691	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).10f	K04

S 1	5248.2467	-4.972	9.5637	0.0	11.9254	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5248.2467	-3.812	9.5637	0.0	11.9254	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5250.7220	-8.718	9.7044	4.0	12.0650	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5250.7220	-8.489	9.7044	4.0	12.0650	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5250.8378	-8.767	9.7044	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5250.8378	-8.755	9.7044	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5250.8378	-9.719	9.7044	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5250.8378	-8.928	9.7044	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5250.9570	-6.979	9.7045	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5250.9570	-6.874	9.7045	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5250.9675	-7.171	9.7045	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5250.9675	-7.123	9.7045	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5250.9675	-8.274	9.7045	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5250.9675	-7.574	9.7045	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5252.2779	-4.301	9.5655	1.0	11.9254	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5252.2779	-3.605	9.5655	1.0	11.9254	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5252.2779	-4.403	9.5655	1.0	11.9254	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5252.2779	-3.831	9.5655	1.0	11.9254	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5255.2598	-7.865	9.2956	4.0	11.6542	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5255.2598	-7.667	9.2956	4.0	11.6542	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5255.5250	-7.375	9.2957	3.0	11.6542	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5255.5250	-5.789	9.2957	3.0	11.6542	4.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5255.5250	-7.700	9.2957	3.0	11.6542	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5255.5250	-6.599	9.2957	3.0	11.6542	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5255.5250	-7.976	9.2957	3.0	11.6542	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5255.5250	-7.765	9.2957	3.0	11.6542	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5255.7847	-4.710	9.7066	1.0	12.0650	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5255.7847	-4.197	9.7066	1.0	12.0650	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5255.8262	-6.176	9.2958	2.0	11.6542	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5255.8262	-5.591	9.2958	2.0	11.6542	3.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5255.8262	-7.674	9.2958	2.0	11.6542	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5255.8262	-6.038	9.2958	2.0	11.6542	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5256.0666	-5.777	9.2959	1.0	11.6542	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5256.0666	-5.549	9.2959	1.0	11.6542	2.0	LS 3s2.3p3.(4S*).4d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5258.9642	-4.685	9.5655	1.0	11.9224	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5258.9642	-3.297	9.5655	1.0	11.9224	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5259.5176	-9.079	9.8020	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5259.5176	-8.332	9.8020	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).17f	K04

S 1	5259.5176	-9.768	9.8020	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5259.5176	-8.807	9.8020	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5260.8489	-3.876	9.5693	2.0	11.9254	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5260.8489	-3.255	9.5693	2.0	11.9254	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5260.8489	-3.914	9.5693	2.0	11.9254	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5260.8489	-3.323	9.5693	2.0	11.9254	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5260.8489	-6.272	9.5693	2.0	11.9254	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5260.8489	-3.729	9.5693	2.0	11.9254	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5264.7608	-3.674	9.7566	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5264.7608	-3.530	9.7566	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5264.7608	-3.795	9.7566	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5264.7608	-3.607	9.7566	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5264.7608	-4.977	9.7566	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5264.7608	-4.159	9.7566	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5264.8801	-4.148	9.7566	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5264.8801	-2.898	9.7566	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5264.8801	-5.790	9.7566	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5264.8801	-3.159	9.7566	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5264.8801	-5.491	9.7566	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5264.8801	-3.873	9.7566	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5265.0825	-6.612	9.7567	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5265.0825	-3.608	9.7567	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5265.0825	-4.281	9.7567	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5265.0825	-3.807	9.7567	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5267.5571	-4.785	9.5693	2.0	11.9224	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5267.5571	-3.348	9.5693	2.0	11.9224	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5267.5571	-4.493	9.5693	2.0	11.9224	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5267.5571	-3.965	9.5693	2.0	11.9224	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5268.2760	-9.431	9.8020	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5268.2760	-8.951	9.8020	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5273.0834	-8.349	9.8020	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5273.0834	-6.387	9.8020	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5273.0834	-7.355	9.8020	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5273.0834	-6.542	9.8020	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5273.0834	-7.937	9.8020	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5273.0834	-7.060	9.8020	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5273.2864	-5.483	9.7566	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5273.2864	-3.089	9.7566	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).12f	K04

S 1	5273.2864	-4.144	9.7566	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5273.2864	-3.272	9.7566	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5273.4060	-5.655	9.7566	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5273.4060	-3.271	9.7566	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5273.4060	-4.839	9.7566	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5273.4060	-3.736	9.7566	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5273.4060	-4.120	9.7566	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5273.4060	-4.107	9.7566	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5273.6091	-4.992	9.7567	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5273.6091	-4.334	9.7567	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5281.8592	-7.930	9.8020	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5281.8592	-6.582	9.8020	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5281.8592	-7.700	9.8020	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5281.8592	-7.195	9.8020	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5284.1262	-8.432	9.4804	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5284.1262	-7.480	9.4804	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5284.1262	-8.154	9.4804	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5284.1262	-7.583	9.4804	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5289.8804	-9.170	9.8020	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5289.8804	-7.449	9.8020	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5289.8804	-8.310	9.8020	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5289.8804	-7.632	9.8020	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5289.8804	-8.836	9.8020	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5289.8804	-8.099	9.8020	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5293.7236	-9.760	9.4804	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5293.7236	-7.618	9.4804	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5293.7236	-8.708	9.4804	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5293.7236	-8.125	9.4804	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5294.9825	-7.688	9.8178	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5294.9825	-5.960	9.8178	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5294.9825	-7.004	9.8178	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5294.9825	-6.263	9.8178	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5298.6842	-9.148	9.8020	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5298.6842	-7.651	9.8020	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5298.6842	-9.033	9.8020	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5298.6842	-8.375	9.8020	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5303.8596	-5.981	9.8178	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5303.8596	-5.780	9.8178	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).17f	K04

S 1	5304.9628	-5.091	9.7566	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5304.9628	-3.772	9.7566	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5304.9628	-3.931	9.7566	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5304.9628	-3.852	9.7566	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5304.9628	-4.597	9.7566	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5304.9628	-4.388	9.7566	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5305.0839	-4.508	9.7566	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5305.0839	-3.184	9.7566	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5305.0839	-8.302	9.7566	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5305.0839	-3.427	9.7566	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5305.0839	-4.815	9.7566	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5305.0839	-3.822	9.7566	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5305.2894	-5.071	9.7567	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5305.2894	-3.984	9.7567	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5305.2894	-8.216	9.7567	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5305.2894	-4.140	9.7567	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5308.7321	-5.410	9.8178	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5308.7321	-3.795	9.8178	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5308.7321	-4.293	9.8178	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5308.7321	-4.031	9.8178	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5310.0546	-9.651	9.8020	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5310.0546	-8.017	9.8020	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5310.0546	-9.551	9.8020	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5310.0546	-8.107	9.8020	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5313.4300	-7.866	9.7044	4.0	12.0371	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.4300	-7.613	9.7044	4.0	12.0371	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.4300	-8.499	9.7044	4.0	12.0371	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.4300	-8.169	9.7044	4.0	12.0371	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.5486	-8.587	9.7044	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.5486	-7.432	9.7044	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.5486	-8.307	9.7044	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.5486	-7.657	9.7044	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.5486	-8.394	9.7044	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.5486	-8.024	9.7044	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.6706	-7.523	9.7045	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.6706	-7.102	9.7045	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.6706	-8.038	9.7045	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.6706	-7.359	9.7045	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04

S 1	5313.6814	-8.638	9.7045	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.6814	-7.008	9.7045	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.6814	-7.823	9.7045	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.6814	-7.712	9.7045	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.6814	-9.157	9.7045	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.6814	-8.406	9.7045	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.7136	-9.286	9.7045	0.0	12.0371	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.7136	-7.539	9.7045	0.0	12.0371	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5313.8169	-5.230	9.7566	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5313.8169	-3.412	9.7566	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5313.8169	-6.376	9.7566	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5313.8169	-4.183	9.7566	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5313.9384	-5.977	9.7566	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5313.9384	-3.553	9.7566	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5313.9384	-4.965	9.7566	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5313.9384	-4.417	9.7566	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5313.9384	-5.807	9.7566	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5313.9384	-5.798	9.7566	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5314.1446	-5.154	9.7567	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5314.1446	-3.521	9.7567	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5317.6271	-4.448	9.8178	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5317.6271	-4.075	9.8178	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5318.6144	-4.656	9.7066	1.0	12.0371	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5318.6144	-3.727	9.7066	1.0	12.0371	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5318.6144	-4.647	9.7066	1.0	12.0371	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5318.6144	-3.752	9.7066	1.0	12.0371	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5319.5483	-9.547	9.8020	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5319.5483	-8.210	9.8020	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5322.5958	-7.973	9.7044	4.0	12.0331	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5322.5958	-7.579	9.7044	4.0	12.0331	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5322.7148	-8.610	9.7044	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5322.7148	-7.751	9.7044	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5322.7148	-9.934	9.7044	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5322.7148	-8.008	9.7044	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5322.7148	-9.177	9.7044	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5322.7148	-8.161	9.7044	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5322.8372	-7.678	9.7045	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5322.8372	-7.232	9.7045	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).9f	K04



S 1	5322.8480	-8.826	9.7045	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5322.8480	-7.479	9.7045	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5322.8480	-8.490	9.7045	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5322.8480	-8.078	9.7045	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5325.7574	-6.183	9.8178	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5325.7574	-4.730	9.8178	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5325.7574	-5.258	9.8178	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5325.7574	-4.918	9.8178	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5327.7981	-4.099	9.7066	1.0	12.0331	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5327.7981	-3.690	9.7066	1.0	12.0331	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5334.6811	-5.244	9.8178	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5334.6811	-4.504	9.8178	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5345.0890	-9.759	9.8020	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5345.0890	-8.654	9.8020	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5346.2066	-6.712	9.8178	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5346.2066	-4.846	9.8178	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5346.2066	-6.043	9.8178	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5346.2066	-5.085	9.8178	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5355.8302	-5.528	9.8178	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5355.8302	-4.868	9.8178	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5356.7773	-7.215	9.5122	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5356.7773	-5.056	9.5122	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5356.7773	-5.741	9.5122	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5356.7773	-5.102	9.5122	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5360.0572	-4.528	9.7566	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5360.0572	-4.395	9.7566	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5360.0572	-4.624	9.7566	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5360.0572	-4.530	9.7566	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5360.0572	-5.231	9.7566	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5360.0572	-4.966	9.7566	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5360.1808	-5.138	9.7566	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5360.1808	-3.744	9.7566	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5360.1808	-6.056	9.7566	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5360.1808	-3.996	9.7566	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5360.1808	-6.211	9.7566	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5360.1808	-4.626	9.7566	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5360.3906	-6.292	9.7567	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5360.3906	-4.470	9.7567	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04

S 1	5360.3906	-6.691	9.7567	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5360.3906	-4.723	9.7567	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5366.6407	-6.539	9.5122	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5366.6407	-4.752	9.5122	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5369.5289	-4.781	9.7566	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5369.5289	-4.040	9.7566	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5369.5289	-6.409	9.7566	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5369.5289	-4.912	9.7566	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5369.6529	-6.433	9.7566	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5369.6529	-4.137	9.7566	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5369.6529	-5.922	9.7566	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5369.6529	-4.836	9.7566	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5369.6529	-7.325	9.7566	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5369.6529	-6.318	9.7566	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5369.8635	-5.662	9.7567	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5369.8635	-4.098	9.7567	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5372.3509	-7.135	9.8178	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5372.3509	-5.114	9.8178	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5372.3509	-6.142	9.8178	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5372.3509	-5.231	9.8178	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5381.7213	-6.366	9.8178	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5381.7213	-5.003	9.8178	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5405.3785	-6.508	9.8178	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5405.3785	-5.082	9.8178	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5405.3785	-6.626	9.8178	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5405.3785	-5.436	9.8178	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5414.3660	-5.925	9.8178	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5414.3660	-5.069	9.8178	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5418.0780	-8.575	9.7044	4.0	11.9921	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.0780	-8.048	9.7044	4.0	11.9921	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.0780	-8.098	9.7044	4.0	11.9921	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.0780	-8.056	9.7044	4.0	11.9921	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.2013	-8.683	9.7044	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.2013	-7.538	9.7044	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.2013	-7.906	9.7044	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.2013	-7.641	9.7044	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.2013	-9.523	9.7044	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.2013	-8.716	9.7044	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04

S 1	5418.3282	-9.162	9.7045	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.3282	-7.051	9.7045	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.3282	-7.146	9.7045	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.3282	-7.051	9.7045	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.3393	-7.903	9.7045	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.3393	-7.496	9.7045	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.3393	-8.290	9.7045	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.3393	-7.824	9.7045	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.3393	-9.970	9.7045	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.3393	-8.747	9.7045	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.3728	-9.059	9.7045	0.0	11.9921	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5418.3728	-8.312	9.7045	0.0	11.9921	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5423.4687	-3.359	9.7066	1.0	11.9921	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5423.4687	-2.991	9.7066	1.0	11.9921	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5423.4687	-4.292	9.7066	1.0	11.9921	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5423.4687	-3.310	9.7066	1.0	11.9921	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5427.6676	-8.862	9.7044	4.0	11.9880	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5427.6676	-8.139	9.7044	4.0	11.9880	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5427.6676	-9.255	9.7044	4.0	11.9880	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5427.6676	-8.581	9.7044	4.0	11.9880	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5427.7914	-8.689	9.7044	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5427.7914	-7.120	9.7044	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5427.7914	-9.147	9.7044	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5427.7914	-7.695	9.7044	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5427.9187	-9.977	9.7045	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5427.9187	-7.790	9.7045	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5427.9299	-8.476	9.7045	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5427.9299	-8.404	9.7045	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5433.0775	-4.173	9.7066	1.0	11.9880	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5433.0775	-3.427	9.7066	1.0	11.9880	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5435.1244	-5.918	9.7566	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5435.1244	-5.121	9.7566	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5435.1244	-5.674	9.7566	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5435.1244	-5.155	9.7566	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5435.1244	-6.307	9.7566	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5435.1244	-6.164	9.7566	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5435.2515	-6.393	9.7566	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5435.2515	-4.593	9.7566	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04

S 1	5435.2515	-5.850	9.7566	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5435.2515	-4.779	9.7566	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5435.2515	-6.647	9.7566	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5435.2515	-5.736	9.7566	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5435.4672	-8.253	9.7567	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5435.4672	-5.179	9.7567	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5435.4672	-6.409	9.7567	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5435.4672	-5.543	9.7567	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5444.7152	-5.165	9.7566	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5444.7152	-5.114	9.7566	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5444.7152	-6.970	9.7566	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5444.7152	-5.676	9.7566	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5444.8428	-6.938	9.7566	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5444.8428	-5.069	9.7566	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5444.8428	-7.521	9.7566	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5444.8428	-5.565	9.7566	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5444.8428	-7.300	9.7566	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5444.8428	-6.408	9.7566	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5445.0592	-6.300	9.7567	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5445.0592	-4.983	9.7567	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5447.7653	-7.250	9.8178	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5447.7653	-4.999	9.8178	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5478.5663	-5.698	9.5637	0.0	11.8262	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5478.5663	-3.720	9.5637	0.0	11.8262	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5482.9592	-4.483	9.5655	1.0	11.8262	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5482.9592	-3.506	9.5655	1.0	11.8262	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5482.9592	-4.194	9.5655	1.0	11.8262	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5482.9592	-3.754	9.5655	1.0	11.8262	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5492.3003	-4.169	9.5693	2.0	11.8262	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5492.3003	-3.093	9.5693	2.0	11.8262	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5492.3003	-3.846	9.5693	2.0	11.8262	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5492.3003	-3.254	9.5693	2.0	11.8262	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5492.3003	-6.265	9.5693	2.0	11.8262	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5492.3003	-3.671	9.5693	2.0	11.8262	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5493.2932	-4.062	9.5655	1.0	11.8219	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5493.2932	-3.212	9.5655	1.0	11.8219	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5502.6695	-5.135	9.5693	2.0	11.8219	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5502.6695	-3.263	9.5693	2.0	11.8219	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).6f	K04

S 1	5502.6695	-4.376	9.5693	2.0	11.8219	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5502.6695	-3.886	9.5693	2.0	11.8219	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5505.8819	-7.732	9.8178	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5505.8819	-5.089	9.8178	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5505.8819	-6.642	9.8178	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5505.8819	-5.170	9.8178	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5515.8765	-7.507	9.8178	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5515.8765	-5.483	9.8178	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5529.2387	-4.279	9.4169	1.0	11.6587	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5529.2387	-3.894	9.4169	1.0	11.6587	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5529.2387	-4.629	9.4169	1.0	11.6587	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5529.2387	-3.996	9.4169	1.0	11.6587	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5529.3610	-4.556	9.4170	2.0	11.6587	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5529.3610	-3.483	9.4170	2.0	11.6587	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5529.3610	-4.607	9.4170	2.0	11.6587	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5529.3610	-3.557	9.4170	2.0	11.6587	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5529.3610	-5.257	9.4170	2.0	11.6587	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5529.3610	-4.021	9.4170	2.0	11.6587	1.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5530.6397	-4.449	9.4175	3.0	11.6587	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5530.6397	-3.063	9.4175	3.0	11.6587	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5530.6397	-4.241	9.4175	3.0	11.6587	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5530.6397	-3.334	9.4175	3.0	11.6587	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5530.6397	-4.376	9.4175	3.0	11.6587	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5530.6397	-4.102	9.4175	3.0	11.6587	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5531.3496	-9.758	9.9179	4.0	12.1587	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.3496	-7.321	9.9179	4.0	12.1587	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.3496	-9.062	9.9179	4.0	12.1587	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.3496	-8.316	9.9179	4.0	12.1587	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4017	-7.324	9.9179	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4017	-7.200	9.9179	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4017	-8.713	9.9179	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4017	-7.245	9.9179	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4017	-9.136	9.9179	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4017	-8.129	9.9179	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4402	-8.977	9.9179	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4402	-7.852	9.9179	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4402	-9.256	9.9179	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4402	-8.246	9.9179	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04

S 1	5531.4567	-8.494	9.9179	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4567	-7.656	9.9179	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4567	-9.167	9.9179	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4567	-7.887	9.9179	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4567	-8.942	9.9179	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4567	-8.741	9.9179	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4598	-7.986	9.9179	0.0	12.1587	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5531.4598	-7.881	9.9179	0.0	12.1587	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5540.3314	-4.841	9.4169	1.0	11.6542	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5540.3314	-3.385	9.4169	1.0	11.6542	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5540.4542	-3.574	9.4170	2.0	11.6542	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5540.4542	-3.465	9.4170	2.0	11.6542	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5540.4542	-6.103	9.4170	2.0	11.6542	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5540.4542	-4.049	9.4170	2.0	11.6542	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5541.0376	-9.145	9.9179	4.0	12.1548	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5541.0376	-8.744	9.9179	4.0	12.1548	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5541.0898	-9.201	9.9179	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5541.0898	-6.822	9.9179	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5541.0898	-8.126	9.9179	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5541.0898	-7.439	9.9179	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5541.0898	-9.141	9.9179	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5541.0898	-8.998	9.9179	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5541.1285	-8.033	9.9179	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5541.1285	-6.915	9.9179	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5541.1451	-7.750	9.9179	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5541.1451	-6.692	9.9179	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5541.1451	-7.813	9.9179	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5541.1451	-7.497	9.9179	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5541.7380	-6.840	9.4175	3.0	11.6542	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5541.7380	-3.249	9.4175	3.0	11.6542	4.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5541.7380	-4.927	9.4175	3.0	11.6542	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5541.7380	-4.034	9.4175	3.0	11.6542	3.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5541.7380	-5.444	9.4175	3.0	11.6542	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5541.7380	-4.858	9.4175	3.0	11.6542	2.0	LS 3s2.3p3.(4S*).4d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5544.6702	-5.741	9.7566	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5544.6702	-4.672	9.7566	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5544.6702	-6.567	9.7566	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5544.6702	-4.783	9.7566	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04

S 1	5544.6702	-5.778	9.7566	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5544.6702	-5.223	9.7566	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5544.8024	-5.346	9.7566	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5544.8024	-4.259	9.7566	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5544.8024	-4.941	9.7566	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5544.8024	-4.712	9.7566	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5544.8024	-5.477	9.7566	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5544.8024	-5.178	9.7566	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5545.0269	-5.363	9.7567	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5545.0269	-5.166	9.7567	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5545.0269	-7.008	9.7567	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5545.0269	-5.211	9.7567	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5545.6759	-9.572	9.8020	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5545.6759	-9.186	9.8020	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5546.3559	-7.940	9.9179	4.0	12.1527	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.3559	-5.105	9.9179	4.0	12.1527	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.3559	-6.864	9.9179	4.0	12.1527	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.3559	-5.972	9.9179	4.0	12.1527	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4082	-5.175	9.9179	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4082	-4.910	9.9179	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4082	-6.546	9.9179	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4082	-5.112	9.9179	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4082	-6.482	9.9179	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4082	-5.892	9.9179	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4470	-6.082	9.9179	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4470	-5.516	9.9179	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4470	-7.119	9.9179	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4470	-5.616	9.9179	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4636	-5.895	9.9179	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4636	-5.397	9.9179	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4636	-7.719	9.9179	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4636	-5.661	9.9179	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4636	-7.224	9.9179	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4636	-6.904	9.9179	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4667	-5.876	9.9179	0.0	12.1527	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5546.4667	-5.453	9.9179	0.0	12.1527	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5554.7136	-4.828	9.7566	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5554.7136	-4.592	9.7566	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).8f	K04

S 1	5554.7136	-8.029	9.7566	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5554.7136	-5.159	9.7566	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5554.8463	-8.097	9.7566	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5554.8463	-4.491	9.7566	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5554.8463	-7.325	9.7566	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5554.8463	-5.151	9.7566	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5554.8463	-5.900	9.7566	3.0	11.9880	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5554.8463	-5.578	9.7566	3.0	11.9880	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5555.0716	-5.522	9.7567	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5555.0716	-4.549	9.7567	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5555.6612	-9.928	9.8020	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5555.6612	-9.357	9.8020	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5556.0657	-6.978	9.9179	4.0	12.1488	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.0657	-6.410	9.9179	4.0	12.1488	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.0657	-7.532	9.9179	4.0	12.1488	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.0657	-7.137	9.9179	4.0	12.1488	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.1182	-6.703	9.9179	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.1182	-4.720	9.9179	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.1182	-5.999	9.9179	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.1182	-5.504	9.9179	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.1182	-7.495	9.9179	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.1182	-6.534	9.9179	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.1571	-5.755	9.9179	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.1571	-4.636	9.9179	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.1738	-6.007	9.9179	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.1738	-4.447	9.9179	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.1738	-5.493	9.9179	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5556.1738	-5.379	9.9179	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5564.9421	-9.756	9.9179	4.0	12.1452	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5564.9421	-6.136	9.9179	4.0	12.1452	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5564.9421	-7.993	9.9179	4.0	12.1452	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5564.9421	-6.975	9.9179	4.0	12.1452	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5564.9947	-6.202	9.9179	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5564.9947	-5.934	9.9179	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5564.9947	-7.472	9.9179	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5564.9947	-6.142	9.9179	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5564.9947	-7.829	9.9179	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5564.9947	-7.005	9.9179	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04



S 1	5565.0338	-6.874	9.9179	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5565.0338	-6.540	9.9179	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5565.0338	-8.262	9.9179	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5565.0338	-6.560	9.9179	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5565.0505	-6.774	9.9179	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5565.0505	-6.381	9.9179	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5565.0505	-8.511	9.9179	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5565.0505	-6.650	9.9179	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5565.0505	-8.799	9.9179	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5565.0505	-7.484	9.9179	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5565.0536	-6.743	9.9179	0.0	12.1452	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5565.0536	-6.463	9.9179	0.0	12.1452	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5574.6860	-8.023	9.9179	4.0	12.1413	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.6860	-7.364	9.9179	4.0	12.1413	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.6860	-8.658	9.9179	4.0	12.1413	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.6860	-8.582	9.9179	4.0	12.1413	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.7389	-7.823	9.9179	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.7389	-5.769	9.9179	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.7389	-7.107	9.9179	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.7389	-6.505	9.9179	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.7389	-8.078	9.9179	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.7389	-7.666	9.9179	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.7781	-6.510	9.9179	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.7781	-5.709	9.9179	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.7948	-6.942	9.9179	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.7948	-5.462	9.9179	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.7948	-6.604	9.9179	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5574.7948	-6.400	9.9179	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5580.6454	-8.410	9.7044	4.0	11.9254	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.6454	-7.144	9.7044	4.0	11.9254	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.6454	-8.073	9.7044	4.0	11.9254	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.6454	-7.953	9.7044	4.0	11.9254	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.7762	-7.596	9.7044	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.7762	-7.054	9.7044	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.7762	-8.494	9.7044	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.7762	-7.194	9.7044	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.7762	-9.642	9.7044	3.0	11.9254	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.7762	-8.928	9.7044	3.0	11.9254	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04

S 1	5580.9108	-6.947	9.7045	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.9108	-6.857	9.7045	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.9108	-7.960	9.7045	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.9108	-6.901	9.7045	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.9227	-8.830	9.7045	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.9227	-7.600	9.7045	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.9227	-9.951	9.7045	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.9227	-7.807	9.7045	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.9582	-8.648	9.7045	0.0	11.9254	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5580.9582	-8.222	9.7045	0.0	11.9254	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5585.1194	-8.771	9.8178	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5585.1194	-5.126	9.8178	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5585.1194	-6.027	9.8178	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5585.1194	-5.274	9.8178	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5586.3646	-2.871	9.7066	1.0	11.9254	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5586.3646	-2.847	9.7066	1.0	11.9254	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5586.3646	-4.145	9.7066	1.0	11.9254	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5586.3646	-2.964	9.7066	1.0	11.9254	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5587.2732	-8.520	9.9179	4.0	12.1363	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.2732	-7.497	9.9179	4.0	12.1363	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3263	-6.727	9.9179	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3263	-6.415	9.9179	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3263	-7.917	9.9179	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3263	-6.633	9.9179	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3263	-7.465	9.9179	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3263	-7.189	9.9179	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3656	-7.749	9.9179	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3656	-6.945	9.9179	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3656	-8.288	9.9179	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3656	-7.036	9.9179	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3825	-7.604	9.9179	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3825	-6.788	9.9179	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3825	-7.223	9.9179	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3825	-6.863	9.9179	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3825	-8.799	9.9179	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3825	-8.095	9.9179	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3856	-7.689	9.9179	0.0	12.1363	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5587.3856	-6.766	9.9179	0.0	12.1363	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).14f	K04

S 1	5588.1945	-9.744	9.7044	4.0	11.9224	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5588.1945	-8.549	9.7044	4.0	11.9224	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5588.1945	-9.986	9.7044	4.0	11.9224	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5588.1945	-8.731	9.7044	4.0	11.9224	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5588.3257	-8.232	9.7044	3.0	11.9224	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5588.3257	-6.625	9.7044	3.0	11.9224	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5588.3257	-8.613	9.7044	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5588.3257	-7.343	9.7044	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5588.4607	-7.171	9.7045	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5588.4607	-6.479	9.7045	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5588.4725	-7.291	9.7045	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5588.4725	-7.006	9.7045	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5588.4725	-7.888	9.7045	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5588.4725	-7.430	9.7045	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5590.1194	-4.312	9.9414	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5590.1194	-3.151	9.9414	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5590.1194	-5.072	9.9414	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5590.1194	-3.289	9.9414	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5590.1194	-5.725	9.9414	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5590.1194	-4.041	9.9414	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5590.6414	-4.366	9.9416	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5590.6414	-3.590	9.9416	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5590.6414	-4.198	9.9416	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5590.6414	-3.689	9.9416	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5590.6414	-4.559	9.9416	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5590.6414	-4.354	9.9416	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5591.1949	-5.123	9.9419	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5591.1949	-3.938	9.9419	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5591.1949	-6.100	9.9419	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5591.1949	-3.984	9.9419	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5593.9292	-3.519	9.7066	1.0	11.9224	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5593.9292	-2.409	9.7066	1.0	11.9224	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5595.2473	-7.391	9.8178	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5595.2473	-5.020	9.8178	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5597.7851	-8.551	9.9179	4.0	12.1322	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5597.7851	-7.790	9.9179	4.0	12.1322	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5597.7851	-9.132	9.9179	4.0	12.1322	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5597.7851	-9.071	9.9179	4.0	12.1322	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04

S 1	5597.8383	-8.354	9.9179	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5597.8383	-6.285	9.9179	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5597.8383	-7.575	9.9179	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5597.8383	-7.006	9.9179	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5597.8383	-9.303	9.9179	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5597.8383	-7.654	9.9179	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5597.8778	-7.701	9.9179	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5597.8778	-6.097	9.9179	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5597.8948	-7.716	9.9179	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5597.8948	-5.936	9.9179	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5597.8948	-7.470	9.9179	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5597.8948	-6.826	9.9179	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5600.0145	-5.746	9.9414	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5600.0145	-3.431	9.9414	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5600.0145	-4.530	9.9414	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5600.0145	-3.837	9.9414	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5600.0145	-5.467	9.9414	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5600.0145	-5.301	9.9414	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5600.5384	-4.216	9.9416	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5600.5384	-3.367	9.9416	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5600.5384	-5.206	9.9416	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5600.5384	-4.116	9.9416	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5601.0938	-3.778	9.9419	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5601.0938	-3.752	9.9419	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5605.4467	-2.148	9.9414	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5605.4467	-0.904	9.9414	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5605.4467	-2.742	9.9414	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5605.4467	-1.146	9.9414	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5605.4467	-3.145	9.9414	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5605.4467	-1.790	9.9414	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5605.9716	-1.862	9.9416	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5605.9716	-1.452	9.9416	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5605.9716	-2.206	9.9416	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5605.9716	-1.473	9.9416	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5605.9716	-2.218	9.9416	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5605.9716	-2.184	9.9416	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5606.5281	-2.625	9.9419	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5606.5281	-1.676	9.9419	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04

S 1	5606.5281	-5.009	9.9419	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5606.5281	-1.850	9.9419	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5615.3646	-3.816	9.9414	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5615.3646	-1.265	9.9414	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5615.3646	-2.388	9.9414	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5615.3646	-2.175	9.9414	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5615.3646	-4.161	9.9414	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5615.3646	-2.994	9.9414	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5615.8347	-8.833	9.9179	4.0	12.1250	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.8347	-8.302	9.9179	4.0	12.1250	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.8883	-7.162	9.9179	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.8883	-6.783	9.9179	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.8883	-8.264	9.9179	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.8883	-6.955	9.9179	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.8883	-8.728	9.9179	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.8883	-7.872	9.9179	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.8914	-2.247	9.9416	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5615.8914	-1.143	9.9416	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5615.8914	-2.317	9.9416	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5615.8914	-2.016	9.9416	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5615.9280	-7.968	9.9179	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.9280	-7.247	9.9179	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.9280	-8.402	9.9179	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.9280	-7.339	9.9179	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.9451	-7.521	9.9179	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.9451	-7.221	9.9179	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.9451	-7.913	9.9179	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.9451	-7.802	9.9179	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.9451	-8.701	9.9179	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.9451	-8.391	9.9179	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.9482	-7.918	9.9179	0.0	12.1250	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5615.9482	-7.100	9.9179	0.0	12.1250	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5616.4499	-1.516	9.9419	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5616.4499	-1.496	9.9419	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5624.4316	-3.125	9.9414	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5624.4316	-1.931	9.9414	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5624.4316	-3.928	9.9414	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5624.4316	-2.158	9.9414	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04

S 1	5624.4316	-4.480	9.9414	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5624.4316	-2.840	9.9414	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5624.9601	-3.277	9.9416	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5624.9601	-2.466	9.9416	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5624.9601	-2.888	9.9416	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5624.9601	-2.485	9.9416	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5624.9601	-3.387	9.9416	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5624.9601	-3.307	9.9416	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5625.5204	-3.619	9.9419	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5625.5204	-2.773	9.9419	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5625.5204	-5.825	9.9419	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5625.5204	-2.926	9.9419	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5626.0744	-8.992	9.9179	4.0	12.1210	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.0744	-8.091	9.9179	4.0	12.1210	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.0744	-9.559	9.9179	4.0	12.1210	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.0744	-9.306	9.9179	4.0	12.1210	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.1282	-8.833	9.9179	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.1282	-6.707	9.9179	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.1282	-7.924	9.9179	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.1282	-7.408	9.9179	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.1282	-8.790	9.9179	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.1282	-8.451	9.9179	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.1681	-7.151	9.9179	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.1681	-6.536	9.9179	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.1852	-9.024	9.9179	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.1852	-6.297	9.9179	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.1852	-8.757	9.9179	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5626.1852	-7.056	9.9179	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5634.3852	-4.757	9.9414	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5634.3852	-2.294	9.9414	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5634.3852	-3.423	9.9414	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5634.3852	-3.072	9.9414	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5634.3852	-4.375	9.9414	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5634.3852	-4.067	9.9414	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5634.9156	-3.200	9.9416	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5634.9156	-2.156	9.9416	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5634.9156	-3.414	9.9416	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5634.9156	-2.891	9.9416	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).15f	K04

S 1	5635.4778	-2.600	9.9419	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5635.4778	-2.463	9.9419	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5647.2437	-3.635	9.9414	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5647.2437	-2.422	9.9414	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5647.2437	-4.537	9.9414	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5647.2437	-2.634	9.9414	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5647.2437	-3.473	9.9414	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5647.2437	-3.364	9.9414	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5647.7765	-3.186	9.9416	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5647.7765	-2.867	9.9416	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5647.7765	-3.360	9.9416	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5647.7765	-2.988	9.9416	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5647.7765	-3.836	9.9416	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5647.7765	-3.564	9.9416	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5648.3413	-4.805	9.9419	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5648.3413	-3.424	9.9419	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5648.3413	-6.111	9.9419	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5648.3413	-3.959	9.9419	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5651.9338	-9.869	9.9179	4.0	12.1109	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5651.9338	-8.055	9.9179	4.0	12.1109	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5651.9881	-7.643	9.9179	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5651.9881	-7.148	9.9179	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5651.9881	-8.510	9.9179	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5651.9881	-7.486	9.9179	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5651.9881	-9.452	9.9179	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5651.9881	-8.340	9.9179	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5652.0284	-7.693	9.9179	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5652.0284	-7.634	9.9179	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5652.0284	-8.439	9.9179	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5652.0284	-7.644	9.9179	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5652.0456	-9.674	9.9179	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5652.0456	-7.418	9.9179	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5652.0456	-7.779	9.9179	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5652.0456	-7.547	9.9179	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5652.0456	-8.210	9.9179	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5652.0456	-8.073	9.9179	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5652.0488	-7.720	9.9179	0.0	12.1109	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5652.0488	-7.059	9.9179	0.0	12.1109	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).12f	K04

S 1	5657.9827	-5.262	9.9414	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5657.9827	-2.787	9.9414	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5657.9827	-3.865	9.9414	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5657.9827	-3.566	9.9414	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5657.9827	-5.494	9.9414	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5657.9827	-4.064	9.9414	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5658.5175	-3.811	9.9416	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5658.5175	-2.638	9.9416	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5658.5175	-3.918	9.9416	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5658.5175	-3.583	9.9416	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5659.0844	-3.537	9.9419	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5659.0844	-2.772	9.9419	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5659.7701	-8.938	9.8020	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5659.7701	-8.773	9.8020	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5659.7701	-9.106	9.8020	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5659.7701	-8.831	9.8020	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5661.7606	-9.493	9.9179	4.0	12.1071	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5661.7606	-8.355	9.9179	4.0	12.1071	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5661.8151	-9.468	9.9179	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5661.8151	-7.180	9.9179	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5661.8151	-8.470	9.9179	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5661.8151	-7.264	9.9179	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5661.8151	-8.197	9.9179	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5661.8151	-7.826	9.9179	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5661.8555	-7.401	9.9179	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5661.8555	-6.960	9.9179	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5661.8728	-8.575	9.9179	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5661.8728	-6.675	9.9179	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5661.8728	-7.721	9.9179	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5661.8728	-7.035	9.9179	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5670.2351	-9.729	9.8020	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5670.2351	-8.799	9.8020	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5670.2351	-9.729	9.8020	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5670.2351	-9.478	9.8020	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5674.8250	-9.403	9.9745	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5674.8250	-8.682	9.9745	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5676.4232	-4.040	9.9414	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5676.4232	-2.801	9.9414	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04



S 1	5676.4232	-5.158	9.9414	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5676.4232	-2.905	9.9414	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5676.4232	-6.257	9.9414	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5676.4232	-3.742	9.9414	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5676.9615	-3.846	9.9416	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5676.9615	-3.364	9.9416	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5676.9615	-3.773	9.9416	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5676.9615	-3.513	9.9416	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5676.9615	-4.254	9.9416	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5676.9615	-4.059	9.9416	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5677.5322	-8.792	9.9419	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5677.5322	-3.483	9.9419	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5677.5322	-4.979	9.9419	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5677.5322	-3.804	9.9419	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5685.0226	-9.662	9.9745	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5685.0226	-9.259	9.9745	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5686.8853	-5.628	9.9414	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5686.8853	-3.168	9.9414	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5686.8853	-4.176	9.9414	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5686.8853	-3.966	9.9414	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5686.8853	-5.135	9.9414	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5686.8853	-4.880	9.9414	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5687.4256	-4.447	9.9416	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5687.4256	-3.004	9.9416	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5687.4256	-4.755	9.9416	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5687.4256	-3.787	9.9416	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5687.9984	-5.046	9.9419	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5687.9984	-3.090	9.9419	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5690.4136	-8.713	9.4804	2.0	11.6587	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5690.4136	-7.511	9.4804	2.0	11.6587	3.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5690.4136	-8.110	9.4804	2.0	11.6587	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5690.4136	-7.671	9.4804	2.0	11.6587	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5690.4136	-9.554	9.4804	2.0	11.6587	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5690.4136	-8.037	9.4804	2.0	11.6587	1.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5690.6209	-8.578	9.9745	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5690.6209	-6.594	9.9745	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5690.6209	-7.576	9.9745	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5690.6209	-6.753	9.9745	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).16f	K04

S 1	5690.6209	-8.141	9.9745	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5690.6209	-7.272	9.9745	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5698.2304	-8.447	9.9835	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5698.2304	-5.989	9.9835	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5698.2304	-6.826	9.9835	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5698.2304	-6.324	9.9835	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5698.2921	-9.851	9.9179	4.0	12.0931	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5698.2921	-7.972	9.9179	4.0	12.0931	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5698.3473	-8.312	9.9179	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5698.3473	-7.506	9.9179	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5698.3473	-8.918	9.9179	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5698.3473	-7.900	9.9179	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5698.3882	-8.121	9.9179	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5698.3882	-7.578	9.9179	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5698.3882	-8.193	9.9179	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5698.3882	-8.032	9.9179	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5698.4058	-7.967	9.9179	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5698.4058	-7.865	9.9179	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5698.4090	-9.146	9.9179	0.0	12.0931	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5698.4090	-7.752	9.9179	0.0	12.0931	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5700.8429	-8.118	9.9745	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5700.8429	-6.774	9.9745	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5700.8429	-7.897	9.9745	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5700.8429	-7.386	9.9745	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5700.8591	-8.256	9.8178	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5700.8591	-5.130	9.8178	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5700.8591	-5.976	9.8178	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5700.8591	-5.378	9.8178	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5702.1631	-8.973	9.4804	2.0	11.6542	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5702.1631	-8.205	9.4804	2.0	11.6542	2.0	LS 3s2.3p3.(4S*).6s 5S*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5708.5090	-9.338	9.9179	4.0	12.0892	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5708.5090	-9.209	9.9179	4.0	12.0892	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5708.5123	-6.138	9.9835	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5708.5123	-5.848	9.9835	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5708.5645	-8.646	9.9179	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5708.5645	-8.508	9.9179	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5708.6055	-7.444	9.9179	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5708.6055	-7.384	9.9179	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).11f	K04

S 1	5708.6231	-7.891	9.9179	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5708.6231	-7.100	9.9179	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5708.6231	-8.908	9.9179	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5708.6231	-7.929	9.9179	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5710.1883	-9.384	9.9745	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5710.1883	-7.627	9.9745	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5710.1883	-8.491	9.9745	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5710.1883	-7.812	9.9745	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5710.1883	-8.997	9.9745	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5710.1883	-8.274	9.9745	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5711.4769	-6.802	9.8178	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5711.4769	-5.089	9.8178	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5713.3080	-4.438	9.9414	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5713.3080	-3.192	9.9414	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5713.3080	-6.099	9.9414	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5713.3080	-3.458	9.9414	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5713.3080	-5.830	9.9414	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5713.3080	-4.171	9.9414	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5713.8533	-3.966	9.9416	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5713.8533	-3.830	9.9416	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5713.8533	-4.107	9.9416	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5713.8533	-3.897	9.9416	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5713.8533	-5.058	9.9416	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5713.8533	-4.466	9.9416	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5714.1571	-5.369	9.9835	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5714.1571	-4.001	9.9835	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5714.1571	-4.600	9.9835	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5714.1571	-4.208	9.9835	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5714.4314	-6.733	9.9419	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5714.4314	-3.892	9.9419	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5714.4314	-4.406	9.9419	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5714.4314	-4.086	9.9419	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5715.0423	-7.125	9.7566	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5715.0423	-3.929	9.7566	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5715.0423	-4.954	9.7566	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5715.0423	-4.077	9.7566	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5715.0423	-5.203	9.7566	2.0	11.9254	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5715.0423	-4.576	9.7566	2.0	11.9254	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04

S 1	5715.1828	-4.737	9.7566	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5715.1828	-3.537	9.7566	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5715.1828	-4.228	9.7566	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5715.1828	-3.959	9.7566	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5715.1828	-4.955	9.7566	3.0	11.9254	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5715.1828	-4.522	9.7566	3.0	11.9254	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5715.4213	-4.935	9.7567	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5715.4213	-4.363	9.7567	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5715.4213	-5.624	9.7567	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5715.4213	-4.503	9.7567	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5720.4480	-9.294	9.9745	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5720.4480	-7.813	9.9745	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5720.4480	-9.335	9.9745	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5720.4480	-8.546	9.9745	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5722.9597	-3.992	9.7566	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5722.9597	-3.990	9.7566	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5722.9597	-5.428	9.7566	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5722.9597	-4.467	9.7566	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5723.1006	-7.034	9.7566	3.0	11.9224	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5723.1006	-3.805	9.7566	3.0	11.9224	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5723.1006	-5.949	9.7566	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5723.1006	-4.468	9.7566	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5723.1006	-5.300	9.7566	3.0	11.9224	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5723.1006	-5.072	9.7566	3.0	11.9224	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5723.3397	-6.681	9.7567	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5723.3397	-5.148	9.7567	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5723.3496	-5.957	9.9414	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5723.3496	-3.569	9.9414	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5723.3496	-5.037	9.9414	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5723.3496	-3.839	9.9414	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5723.3496	-4.408	9.9414	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5723.3496	-4.381	9.9414	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5723.8968	-5.845	9.9416	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5723.8968	-3.380	9.9416	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5723.8968	-4.508	9.9416	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5723.8968	-3.410	9.9416	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5724.4638	-4.481	9.9835	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5724.4638	-4.206	9.9835	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).16f	K04

S 1	5724.4769	-8.477	9.9419	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5724.4769	-4.674	9.9419	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5733.7027	-9.838	9.9745	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5733.7027	-8.144	9.9745	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5733.7027	-9.430	9.9745	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5733.7027	-8.232	9.9745	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5733.8869	-6.214	9.9835	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5733.8869	-4.906	9.9835	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5733.8869	-5.520	9.9835	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5733.8869	-5.059	9.9835	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5744.2320	-5.269	9.9835	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5744.2320	-4.588	9.9835	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5744.7733	-9.627	9.9745	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5744.7733	-8.319	9.9745	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5757.5973	-6.657	9.9835	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5757.5973	-4.967	9.9835	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5757.5973	-5.954	9.9835	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5757.5973	-5.222	9.9835	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5760.6828	-4.941	9.9414	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5760.6828	-3.589	9.9414	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5760.6828	-8.085	9.9414	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5760.6828	-3.835	9.9414	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5760.6828	-5.266	9.9414	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5760.6828	-4.140	9.9414	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5761.2372	-5.903	9.9416	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5761.2372	-4.187	9.9416	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5761.2372	-4.335	9.9416	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5761.2372	-4.266	9.9416	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5761.2372	-5.013	9.9416	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5761.2372	-4.773	9.9416	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5761.8249	-5.596	9.9419	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5761.8249	-4.387	9.9419	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5761.8249	-7.892	9.9419	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5761.8249	-4.541	9.9419	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5761.9079	-9.712	9.9179	4.0	12.0691	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5761.9079	-8.922	9.9179	4.0	12.0691	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5761.9644	-9.093	9.9179	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5761.9644	-8.464	9.9179	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).10f	K04

S 1	5762.0062	-8.580	9.9179	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5762.0062	-8.159	9.9179	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5762.0062	-8.841	9.9179	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5762.0062	-8.527	9.9179	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5762.0242	-8.520	9.9179	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5762.0242	-8.160	9.9179	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5762.0242	-9.711	9.9179	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5762.0242	-8.902	9.9179	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5762.0242	-9.823	9.9179	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5762.0242	-8.959	9.9179	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5768.7605	-5.613	9.9835	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5768.7605	-4.930	9.9835	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5771.1249	-6.339	9.9414	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5771.1249	-3.968	9.9414	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5771.1249	-5.499	9.9414	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5771.1249	-4.876	9.9414	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5771.1249	-6.312	9.9414	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5771.1249	-6.298	9.9414	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5771.6813	-5.602	9.9416	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5771.6813	-3.834	9.9416	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5771.6813	-6.454	9.9416	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5771.6813	-4.607	9.9416	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5772.2712	-5.575	9.9419	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5772.2712	-3.943	9.9419	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5772.8545	-9.528	9.9179	4.0	12.0650	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5772.8545	-9.162	9.9179	4.0	12.0650	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5772.9112	-9.779	9.9179	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5772.9112	-8.934	9.9179	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5772.9532	-8.292	9.9179	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5772.9532	-7.997	9.9179	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5772.9712	-8.525	9.9179	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5772.9712	-8.055	9.9179	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5772.9712	-9.410	9.9179	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5772.9712	-9.253	9.9179	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5774.5718	-9.783	9.9745	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5774.5718	-8.711	9.9745	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5774.7552	-7.227	9.5122	1.0	11.6587	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5774.7552	-5.260	9.5122	1.0	11.6587	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).5f	K04

S 1	5774.7552	-5.638	9.5122	1.0	11.6587	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5774.7552	-5.392	9.5122	1.0	11.6587	1.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5786.8559	-6.483	9.5122	1.0	11.6542	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5786.8559	-4.903	9.5122	1.0	11.6542	2.0	LS 3s2.3p3.(4S*).6s 3S*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5787.9314	-7.140	9.9835	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5787.9314	-5.263	9.9835	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5787.9314	-6.324	9.9835	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5787.9314	-5.384	9.9835	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5798.8089	-6.497	9.9835	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5798.8089	-5.094	9.9835	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5825.7073	-6.616	9.9414	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5825.7073	-4.737	9.9414	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5825.7073	-8.158	9.9414	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5825.7073	-5.016	9.9414	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5825.7073	-9.248	9.9414	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5825.7073	-5.517	9.9414	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5826.2743	-5.590	9.9416	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5826.2743	-5.366	9.9416	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5826.2743	-5.668	9.9416	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5826.2743	-5.649	9.9416	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5826.2743	-6.301	9.9416	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5826.2743	-5.905	9.9416	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5826.2844	-6.722	9.9835	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5826.2844	-5.117	9.9835	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5826.2844	-6.797	9.9835	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5826.2844	-5.599	9.9835	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5826.8753	-7.592	9.9419	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5826.8753	-5.460	9.9419	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5826.8753	-8.681	9.9419	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5826.8753	-5.766	9.9419	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5836.7274	-5.913	9.9835	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5836.7274	-5.168	9.9835	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	5836.8978	-7.031	9.9414	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5836.8978	-5.252	9.9414	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5836.8978	-7.515	9.9414	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5836.8978	-6.040	9.9414	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5836.8978	-7.961	9.9414	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5836.8978	-6.578	9.9414	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).10f	K04

S 1	5837.4022	-9.006	9.8020	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5837.4022	-8.258	9.8020	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5837.4022	-9.055	9.8020	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5837.4022	-8.407	9.8020	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5837.4670	-5.690	9.9416	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5837.4670	-5.189	9.9416	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5837.4670	-6.598	9.9416	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5837.4670	-6.478	9.9416	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5838.0704	-7.367	9.9419	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5838.0704	-5.192	9.9419	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5841.7888	-8.191	9.7044	4.0	11.8262	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5841.7888	-6.805	9.7044	4.0	11.8262	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5841.7888	-8.066	9.7044	4.0	11.8262	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5841.7888	-7.859	9.7044	4.0	11.8262	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5841.9322	-7.133	9.7044	3.0	11.8262	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5841.9322	-6.784	9.7044	3.0	11.8262	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5841.9322	-8.863	9.7044	3.0	11.8262	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5841.9322	-7.956	9.7044	3.0	11.8262	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5842.0797	-6.872	9.7045	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5842.0797	-6.550	9.7045	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5842.0797	-7.033	9.7045	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5842.0797	-6.703	9.7045	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5842.0927	-7.717	9.7045	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5842.0927	-7.627	9.7045	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5842.0927	-7.741	9.7045	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5842.0927	-7.707	9.7045	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5842.0927	-8.378	9.7045	2.0	11.8262	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5842.0927	-8.195	9.7045	2.0	11.8262	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5842.1316	-7.856	9.7045	0.0	11.8262	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5842.1316	-7.174	9.7045	0.0	11.8262	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5845.6625	-9.675	9.8020	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5845.6625	-8.420	9.8020	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5848.0562	-2.581	9.7066	1.0	11.8262	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5848.0562	-2.562	9.7066	1.0	11.8262	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5848.0562	-4.228	9.7066	1.0	11.8262	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5848.0562	-2.627	9.7066	1.0	11.8262	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5848.7438	-8.303	9.9179	4.0	12.0371	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.7438	-7.913	9.9179	4.0	12.0371	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04



S 1	5848.8020	-8.209	9.9179	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8020	-7.792	9.9179	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8020	-9.566	9.9179	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8020	-7.938	9.9179	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8020	-9.125	9.9179	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8020	-8.067	9.9179	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8451	-8.704	9.9179	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8451	-8.408	9.9179	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8451	-9.342	9.9179	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8451	-8.924	9.9179	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8636	-8.419	9.9179	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8636	-7.833	9.9179	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8636	-9.345	9.9179	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8636	-8.196	9.9179	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8636	-9.856	9.9179	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8636	-8.967	9.9179	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8670	-9.181	9.9179	0.0	12.0371	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5848.8670	-8.924	9.9179	0.0	12.0371	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5853.5211	-9.472	9.7044	4.0	11.8219	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5853.5211	-8.445	9.7044	4.0	11.8219	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5853.6651	-7.935	9.7044	3.0	11.8219	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5853.6651	-6.342	9.7044	3.0	11.8219	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5853.6651	-8.200	9.7044	3.0	11.8219	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5853.6651	-7.137	9.7044	3.0	11.8219	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5853.6651	-8.965	9.7044	3.0	11.8219	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5853.6651	-8.676	9.7044	3.0	11.8219	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5853.8131	-9.092	9.7045	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5853.8131	-6.299	9.7045	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5853.8262	-6.703	9.7045	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5853.8262	-6.532	9.7045	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5853.8262	-9.872	9.7045	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5853.8262	-6.832	9.7045	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5856.3946	-7.267	10.0422	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.3946	-6.920	10.0422	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.3946	-9.104	10.0422	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.3946	-6.996	10.0422	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.3946	-9.803	10.0422	4.0	12.1587	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.3946	-7.410	10.0422	4.0	12.1587	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04

S 1	5856.3946	-8.948	10.0422	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.3946	-7.823	10.0422	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.3946	-9.161	10.0422	4.0	12.1587	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.3946	-8.365	10.0422	4.0	12.1587	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.4392	-9.111	10.0423	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.4392	-7.437	10.0423	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.4392	-7.871	10.0423	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.4392	-7.761	10.0423	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.4392	-9.358	10.0423	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.4392	-8.266	10.0423	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.4392	-8.352	10.0423	0.0	12.1587	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.4392	-8.272	10.0423	0.0	12.1587	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.4392	-9.194	10.0423	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.4392	-8.298	10.0423	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.4392	-9.003	10.0423	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5856.4392	-8.427	10.0423	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5859.8136	-2.881	9.7066	1.0	11.8219	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5859.8136	-2.690	9.7066	1.0	11.8219	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	5859.8514	-8.411	9.9179	4.0	12.0331	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5859.8514	-8.018	9.9179	4.0	12.0331	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5859.8514	-9.714	9.9179	4.0	12.0331	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5859.8514	-8.346	9.9179	4.0	12.0331	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5859.9098	-8.954	9.9179	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5859.9098	-7.646	9.9179	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5859.9098	-9.308	9.9179	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5859.9098	-8.273	9.9179	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5859.9716	-8.950	9.9179	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5859.9716	-8.532	9.9179	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5867.2558	-9.527	10.0422	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5867.2558	-6.704	10.0422	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5867.2558	-7.963	10.0422	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5867.2558	-7.293	10.0422	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5867.2558	-9.236	10.0422	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5867.2558	-8.726	10.0422	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5867.2558	-9.243	10.0422	4.0	12.1548	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5867.2558	-8.888	10.0422	4.0	12.1548	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5867.3006	-7.554	10.0423	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5867.3006	-6.695	10.0423	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).17f	K04

S 1	5867.3006	-7.755	10.0423	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5867.3006	-7.088	10.0423	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5867.3006	-8.010	10.0423	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5867.3006	-7.456	10.0423	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5873.2190	-5.206	10.0422	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2190	-4.734	10.0422	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2190	-7.082	10.0422	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2190	-4.949	10.0422	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2190	-8.116	10.0422	4.0	12.1527	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2190	-5.263	10.0422	4.0	12.1527	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2190	-6.474	10.0422	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2190	-5.691	10.0422	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2190	-7.022	10.0422	4.0	12.1527	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2190	-6.133	10.0422	4.0	12.1527	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2639	-7.225	10.0423	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2639	-5.280	10.0423	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2639	-5.846	10.0423	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2639	-5.788	10.0423	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2639	-6.402	10.0423	0.0	12.1527	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2639	-5.973	10.0423	0.0	12.1527	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2639	-9.588	10.0423	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2639	-6.065	10.0423	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2639	-6.419	10.0423	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2639	-6.246	10.0423	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2639	-6.720	10.0423	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5873.2639	-6.297	10.0423	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5875.5594	-8.763	9.9835	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5875.5594	-4.557	9.9835	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5875.5594	-7.484	9.9835	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5875.5594	-5.087	9.9835	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	5881.1209	-7.168	9.8178	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5881.1209	-5.111	9.8178	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5881.1209	-6.419	9.8178	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5881.1209	-5.289	9.8178	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	5884.1081	-7.018	10.0422	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5884.1081	-4.672	10.0422	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5884.1081	-5.914	10.0422	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5884.1081	-5.485	10.0422	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04

S 1	5884.1081	-7.461	10.0422	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5884.1081	-6.463	10.0422	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5884.1081	-7.158	10.0422	4.0	12.1488	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5884.1081	-6.586	10.0422	4.0	12.1488	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5884.1081	-7.708	10.0422	4.0	12.1488	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5884.1081	-7.312	10.0422	4.0	12.1488	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5884.1532	-5.770	10.0423	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5884.1532	-4.552	10.0423	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5884.1532	-5.565	10.0423	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5884.1532	-4.938	10.0423	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5884.1532	-5.710	10.0423	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5884.1532	-5.447	10.0423	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5885.7051	-4.297	10.0528	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5885.7051	-3.174	10.0528	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5885.7051	-5.135	10.0528	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5885.7051	-3.324	10.0528	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5885.7051	-5.653	10.0528	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5885.7051	-4.045	10.0528	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5886.4225	-9.006	9.9835	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5886.4225	-5.246	9.9835	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	5886.4572	-4.403	10.0530	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5886.4572	-3.634	10.0530	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5886.4572	-4.207	10.0530	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5886.4572	-3.716	10.0530	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5886.4572	-4.514	10.0530	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5886.4572	-4.390	10.0530	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5887.2233	-5.099	10.0533	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5887.2233	-3.955	10.0533	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5887.2233	-6.492	10.0533	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5887.2233	-4.019	10.0533	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5889.5054	-5.558	9.8178	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5889.5054	-5.037	9.8178	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	5894.0645	-6.246	10.0422	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.0645	-5.776	10.0422	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.0645	-7.908	10.0422	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.0645	-5.993	10.0422	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.0645	-7.830	10.0422	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.0645	-6.794	10.0422	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04

S 1	5894.0645	-8.162	10.0422	4.0	12.1452	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.0645	-7.155	10.0422	4.0	12.1452	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.1097	-8.831	10.0423	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.1097	-6.306	10.0423	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.1097	-6.873	10.0423	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.1097	-6.850	10.0423	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.1097	-7.314	10.0423	0.0	12.1452	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.1097	-7.004	10.0423	0.0	12.1452	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.1097	-8.660	10.0423	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.1097	-7.125	10.0423	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.1097	-7.375	10.0423	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.1097	-7.347	10.0423	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.1097	-8.667	10.0423	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5894.1097	-7.568	10.0423	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5896.6754	-5.835	10.0528	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5896.6754	-3.447	10.0528	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5896.6754	-4.564	10.0528	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5896.6754	-3.891	10.0528	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5896.6754	-5.711	10.0528	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5896.6754	-5.285	10.0528	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5897.4302	-4.209	10.0530	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5897.4302	-3.382	10.0530	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5897.4302	-5.081	10.0530	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5897.4302	-4.123	10.0530	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5898.1992	-3.791	10.0533	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5898.1992	-3.761	10.0533	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5902.6986	-2.251	10.0528	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5902.6986	-1.038	10.0528	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5902.6986	-2.912	10.0528	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5902.6986	-1.279	10.0528	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5902.6986	-3.275	10.0528	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5902.6986	-1.931	10.0528	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5903.4550	-1.993	10.0530	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5903.4550	-1.589	10.0530	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5903.4550	-2.348	10.0530	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5903.4550	-1.606	10.0530	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5903.4550	-2.354	10.0530	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5903.4550	-2.323	10.0530	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04

S 1	5904.2255	-2.757	10.0533	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5904.2255	-1.805	10.0533	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5904.2255	-5.200	10.0533	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5904.2255	-1.979	10.0533	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5904.9962	-8.200	10.0422	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5904.9962	-5.735	10.0422	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5904.9962	-7.025	10.0422	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5904.9962	-6.479	10.0422	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5904.9962	-8.222	10.0422	4.0	12.1413	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5904.9962	-7.542	10.0422	4.0	12.1413	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5904.9962	-8.122	10.0422	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5904.9962	-7.611	10.0422	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5904.9962	-8.848	10.0422	4.0	12.1413	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5904.9962	-8.816	10.0422	4.0	12.1413	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5905.0416	-6.754	10.0423	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5905.0416	-5.589	10.0423	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5905.0416	-6.456	10.0423	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5905.0416	-6.042	10.0423	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5905.0416	-6.858	10.0423	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5905.0416	-6.453	10.0423	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5913.6974	-4.013	10.0528	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5913.6974	-1.390	10.0528	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5913.6974	-2.518	10.0528	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5913.6974	-2.302	10.0528	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5913.6974	-4.294	10.0528	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5913.6974	-3.123	10.0528	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5914.4566	-2.352	10.0530	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5914.4566	-1.270	10.0530	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5914.4566	-2.455	10.0530	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5914.4566	-2.140	10.0530	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5914.4916	-5.592	9.9414	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5914.4916	-4.814	9.9414	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5914.4916	-6.047	9.9414	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5914.4916	-5.259	9.9414	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5914.4916	-6.733	9.9414	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5914.4916	-5.464	9.9414	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5915.0760	-5.696	9.9416	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5915.0760	-5.326	9.9416	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04

S 1	5915.0760	-5.851	9.9416	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5915.0760	-5.395	9.9416	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5915.0760	-6.195	9.9416	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5915.0760	-5.657	9.9416	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5915.2300	-1.644	10.0533	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5915.2300	-1.625	10.0533	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5915.6955	-7.464	9.9419	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5915.6955	-5.731	9.9419	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5915.6955	-8.173	9.9419	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5915.6955	-5.780	9.9419	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	5916.5428	-5.462	9.5637	0.0	11.6587	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5916.5428	-3.646	9.5637	0.0	11.6587	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5919.1211	-6.801	10.0422	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1211	-6.283	10.0422	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1211	-8.330	10.0422	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1211	-6.505	10.0422	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1211	-7.297	10.0422	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1211	-7.105	10.0422	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1211	-8.706	10.0422	4.0	12.1363	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1211	-7.711	10.0422	4.0	12.1363	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1666	-8.053	10.0423	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1666	-6.728	10.0423	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1666	-9.479	10.0423	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1666	-6.824	10.0423	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1666	-8.345	10.0423	0.0	12.1363	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1666	-7.341	10.0423	0.0	12.1363	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1666	-8.066	10.0423	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5919.1666	-7.850	10.0423	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5921.6665	-4.702	9.5655	1.0	11.6587	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5921.6665	-3.439	9.5655	1.0	11.6587	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5921.6665	-4.003	9.5655	1.0	11.6587	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5921.6665	-3.606	9.5655	1.0	11.6587	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5923.7543	-3.255	10.0528	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5923.7543	-2.088	10.0528	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5923.7543	-4.126	10.0528	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5923.7543	-2.314	10.0528	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5923.7543	-4.627	10.0528	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5923.7543	-3.003	10.0528	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04

S 1	5924.5160	-3.431	10.0530	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5924.5160	-2.621	10.0530	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5924.5160	-3.044	10.0530	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5924.5160	-2.646	10.0530	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5924.5160	-3.545	10.0530	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5924.5160	-3.468	10.0530	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5925.2921	-3.776	10.0533	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5925.2921	-2.927	10.0533	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5925.2921	-5.953	10.0533	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5925.2921	-3.084	10.0533	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5925.8505	-8.118	9.9414	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5925.8505	-4.988	9.9414	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5925.8505	-9.924	9.9414	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5925.8505	-5.784	9.9414	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5925.8505	-6.924	9.9414	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5925.8505	-5.810	9.9414	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5926.4372	-5.602	9.9416	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5926.4372	-4.945	9.9416	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5926.4372	-7.712	9.9416	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5926.4372	-5.585	9.9416	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5927.0591	-6.175	9.9419	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5927.0591	-5.041	9.9419	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	5930.9200	-8.779	10.0422	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9200	-6.276	10.0422	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9200	-7.519	10.0422	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9200	-7.005	10.0422	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9200	-9.174	10.0422	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9200	-7.638	10.0422	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9200	-8.779	10.0422	4.0	12.1322	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9200	-7.974	10.0422	4.0	12.1322	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9200	-9.454	10.0422	4.0	12.1322	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9200	-9.283	10.0422	4.0	12.1322	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9657	-7.461	10.0423	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9657	-6.093	10.0423	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9657	-9.131	10.0423	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9657	-6.388	10.0423	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9657	-7.484	10.0423	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5930.9657	-7.058	10.0423	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).14f	K04



S 1	5932.5636	-4.434	9.5693	2.0	11.6587	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5932.5636	-2.938	9.5693	2.0	11.6587	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5932.5636	-3.639	9.5693	2.0	11.6587	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5932.5636	-3.261	9.5693	2.0	11.6587	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5932.5636	-5.345	9.5693	2.0	11.6587	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5932.5636	-3.665	9.5693	2.0	11.6587	1.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	5934.3913	-4.002	9.5655	1.0	11.6542	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5934.3913	-3.154	9.5655	1.0	11.6542	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5934.7965	-4.965	10.0528	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5934.7965	-2.444	10.0528	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5934.7965	-3.577	10.0528	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5934.7965	-3.220	10.0528	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5934.7965	-4.693	10.0528	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5934.7965	-4.248	10.0528	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5935.5611	-3.334	10.0530	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5935.5611	-2.307	10.0530	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5935.5611	-3.579	10.0530	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5935.5611	-3.048	10.0530	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5936.3400	-2.753	10.0533	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5936.3400	-2.617	10.0533	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	5943.2183	-8.384	9.9835	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5943.2183	-5.187	9.9835	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5943.2183	-6.637	9.9835	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5943.2183	-5.264	9.9835	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	5945.3354	-5.814	9.5693	2.0	11.6542	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5945.3354	-3.189	9.5693	2.0	11.6542	3.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5945.3354	-4.350	9.5693	2.0	11.6542	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5945.3354	-3.990	9.5693	2.0	11.6542	2.0	LS 3s2.3p3.(2P*).4s 3P*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	5949.0644	-3.801	10.0528	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5949.0644	-2.610	10.0528	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5949.0644	-4.765	10.0528	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5949.0644	-2.818	10.0528	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5949.0644	-3.648	10.0528	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5949.0644	-3.559	10.0528	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5949.8327	-3.369	10.0530	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5949.8327	-3.014	10.0530	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5949.8327	-3.548	10.0530	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5949.8327	-3.179	10.0530	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04

S 1	5949.8327	-4.036	10.0530	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5949.8327	-3.767	10.0530	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5950.6154	-4.929	10.0533	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5950.6154	-3.602	10.0533	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5950.6154	-6.252	10.0533	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5950.6154	-4.226	10.0533	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	5951.1857	-7.283	10.0422	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.1857	-6.693	10.0422	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.1857	-8.641	10.0422	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.1857	-6.843	10.0422	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.1857	-8.953	10.0422	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.1857	-7.735	10.0422	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.1857	-9.037	10.0422	4.0	12.1250	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.1857	-8.608	10.0422	4.0	12.1250	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.2318	-8.695	10.0423	0.0	12.1250	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.2318	-7.724	10.0423	0.0	12.1250	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.2318	-8.406	10.0423	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.2318	-7.769	10.0423	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.2318	-8.777	10.0423	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.2318	-7.939	10.0423	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.2318	-8.910	10.0423	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5951.2318	-8.394	10.0423	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5954.8653	-7.908	9.9835	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5954.8653	-5.595	9.9835	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	5956.2844	-9.628	10.0777	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5956.2844	-8.934	10.0777	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5960.9831	-5.492	10.0528	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5960.9831	-2.969	10.0528	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5960.9831	-4.050	10.0528	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5960.9831	-3.744	10.0528	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5960.9831	-5.588	10.0528	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5960.9831	-4.287	10.0528	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5961.7545	-3.981	10.0530	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5961.7545	-2.820	10.0530	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5961.7545	-4.093	10.0530	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5961.7545	-3.796	10.0530	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5962.5403	-3.714	10.0533	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	5962.5403	-2.956	10.0533	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).14f	K04

S 1	5962.6861	-9.371	10.0422	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.6861	-6.736	10.0422	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.6861	-7.911	10.0422	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.6861	-7.444	10.0422	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.6861	-9.268	10.0422	4.0	12.1210	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.6861	-8.280	10.0422	4.0	12.1210	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.6861	-8.751	10.0422	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.6861	-8.474	10.0422	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.6861	-9.987	10.0422	4.0	12.1210	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.6861	-9.543	10.0422	4.0	12.1210	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.7324	-8.340	10.0423	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.7324	-6.504	10.0423	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.7324	-8.020	10.0423	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.7324	-6.834	10.0423	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.7324	-8.501	10.0423	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5962.7324	-7.328	10.0423	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5967.5196	-9.952	10.0777	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5967.5196	-9.539	10.0777	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5972.3859	-9.225	10.0833	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5972.3859	-6.191	10.0833	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5972.3859	-6.903	10.0833	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5972.3859	-6.542	10.0833	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	5973.6885	-8.876	10.0777	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5973.6885	-6.844	10.0777	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5973.6885	-7.833	10.0777	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5973.6885	-6.998	10.0777	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5973.6885	-8.383	10.0777	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5973.6885	-7.518	10.0777	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5975.7917	-8.657	9.9179	4.0	11.9921	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.7917	-7.707	9.9179	4.0	11.9921	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.7917	-8.406	9.9179	4.0	11.9921	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.7917	-8.178	9.9179	4.0	11.9921	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.8524	-7.734	9.9179	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.8524	-7.366	9.9179	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.8524	-7.774	9.9179	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.8524	-7.503	9.9179	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.8524	-9.872	9.9179	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.8524	-9.520	9.9179	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04

S 1	5975.8974	-9.439	9.9179	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.8974	-8.463	9.9179	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.8974	-9.364	9.9179	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.8974	-8.670	9.9179	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.9167	-9.816	9.9179	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.9167	-7.734	9.9179	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.9167	-9.149	9.9179	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.9167	-8.039	9.9179	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.9167	-9.263	9.9179	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.9167	-8.682	9.9179	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.9203	-9.200	9.9179	0.0	11.9921	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5975.9203	-8.428	9.9179	0.0	11.9921	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	5981.4552	-4.269	10.0528	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5981.4552	-3.044	10.0528	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5981.4552	-5.466	10.0528	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5981.4552	-3.129	10.0528	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5981.4552	-6.620	10.0528	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5981.4552	-3.996	10.0528	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5982.2319	-4.109	10.0530	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5982.2319	-3.607	10.0530	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5982.2319	-4.038	10.0530	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5982.2319	-3.748	10.0530	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5982.2319	-4.508	10.0530	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5982.2319	-4.315	10.0530	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5983.0231	-9.770	10.0533	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5983.0231	-3.713	10.0533	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5983.0231	-5.170	10.0533	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5983.0231	-4.038	10.0533	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	5983.6820	-6.415	10.0833	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5983.6820	-6.065	10.0833	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	5984.9537	-8.359	10.0777	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5984.9537	-7.029	10.0777	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5984.9537	-8.150	10.0777	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5984.9537	-7.637	10.0777	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	5987.4592	-9.310	9.9179	4.0	11.9880	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5987.4592	-8.555	9.9179	4.0	11.9880	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5987.4592	-9.128	9.9179	4.0	11.9880	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5987.4592	-9.120	9.9179	4.0	11.9880	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).8f	K04

S 1	5987.5202	-8.605	9.9179	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5987.5202	-6.933	9.9179	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5987.5202	-9.207	9.9179	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5987.5202	-7.596	9.9179	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5987.5654	-8.012	9.9179	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5987.5654	-7.745	9.9179	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5987.5848	-7.642	9.9179	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5987.5848	-7.229	9.9179	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	5989.2241	-4.968	9.7566	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.2241	-3.537	9.7566	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.2241	-4.496	9.7566	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.2241	-3.660	9.7566	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.2241	-4.992	9.7566	2.0	11.8262	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.2241	-4.162	9.7566	2.0	11.8262	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.3784	-4.366	9.7566	3.0	11.8262	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.3784	-3.129	9.7566	3.0	11.8262	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.3784	-4.083	9.7566	3.0	11.8262	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.3784	-3.448	9.7566	3.0	11.8262	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.3784	-4.549	9.7566	3.0	11.8262	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.3784	-4.157	9.7566	3.0	11.8262	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.6403	-4.509	9.7567	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.6403	-3.945	9.7567	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.6403	-4.882	9.7567	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.6403	-4.102	9.7567	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	5989.8844	-5.429	10.0833	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5989.8844	-4.166	10.0833	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5989.8844	-4.822	10.0833	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5989.8844	-4.367	10.0833	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	5991.7404	-7.867	10.0422	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7404	-7.124	10.0422	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7404	-8.923	10.0422	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7404	-7.489	10.0422	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7404	-9.931	10.0422	4.0	12.1109	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7404	-7.755	10.0422	4.0	12.1109	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7404	-9.808	10.0422	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7404	-8.236	10.0422	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7871	-8.372	10.0423	0.0	12.1109	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7871	-7.752	10.0423	0.0	12.1109	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04

S 1	5991.7871	-9.062	10.0423	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7871	-8.245	10.0423	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7871	-9.706	10.0423	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7871	-8.246	10.0423	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7871	-9.054	10.0423	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7871	-8.342	10.0423	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7871	-9.004	10.0423	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5991.7871	-8.606	10.0423	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	5993.0730	-5.897	10.0528	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5993.0730	-3.410	10.0528	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5993.0730	-4.420	10.0528	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5993.0730	-4.198	10.0528	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5993.0730	-5.330	10.0528	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5993.0730	-5.218	10.0528	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5993.8527	-4.684	10.0530	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5993.8527	-3.244	10.0530	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5993.8527	-4.958	10.0530	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5993.8527	-4.044	10.0530	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5994.6470	-5.259	10.0533	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5994.6470	-3.331	10.0533	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	5995.2546	-9.688	10.0777	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5995.2546	-7.895	10.0777	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5995.2546	-8.773	10.0777	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5995.2546	-8.075	10.0777	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5995.2546	-9.259	10.0777	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	5995.2546	-8.536	10.0777	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6001.2108	-4.564	10.0833	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6001.2108	-4.328	10.0833	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6001.5566	-3.623	9.7566	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6001.5566	-3.533	9.7566	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6001.5566	-6.431	9.7566	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6001.5566	-4.070	9.7566	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6001.7115	-6.893	9.7566	3.0	11.8219	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6001.7115	-3.373	9.7566	3.0	11.8219	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6001.7115	-5.238	9.7566	3.0	11.8219	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6001.7115	-4.072	9.7566	3.0	11.8219	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6001.7115	-5.444	9.7566	3.0	11.8219	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6001.7115	-5.136	9.7566	3.0	11.8219	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).6f	K04

S 1	6001.9746	-4.830	9.7567	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6001.9746	-3.426	9.7567	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6002.7855	-8.503	10.0422	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6002.7855	-7.244	10.0422	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6002.7855	-8.268	10.0422	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6002.7855	-7.921	10.0422	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6002.7855	-9.889	10.0422	4.0	12.1071	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6002.7855	-8.545	10.0422	4.0	12.1071	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6002.8323	-9.635	10.0423	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6002.8323	-6.963	10.0423	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6002.8323	-8.212	10.0423	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6002.8323	-7.119	10.0423	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6002.8323	-8.206	10.0423	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6002.8323	-7.648	10.0423	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6006.5652	-9.552	10.0777	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6006.5652	-8.087	10.0777	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6006.5652	-9.587	10.0777	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6006.5652	-8.812	10.0777	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6011.5677	-6.297	10.0833	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6011.5677	-5.092	10.0833	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6011.5677	-5.740	10.0833	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6011.5677	-5.243	10.0833	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6012.4318	-4.997	10.0972	1.0	12.1587	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6012.4318	-2.415	10.0972	1.0	12.1587	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6012.4318	-3.166	10.0972	1.0	12.1587	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6012.4318	-2.823	10.0972	1.0	12.1587	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6021.1807	-9.750	10.0777	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6021.1807	-8.485	10.0777	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6022.4249	-4.783	10.0528	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6022.4249	-3.522	10.0528	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6022.4249	-6.382	10.0528	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6022.4249	-3.796	10.0528	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6022.4249	-6.232	10.0528	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6022.4249	-4.512	10.0528	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6022.9401	-5.415	10.0833	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6022.9401	-4.783	10.0833	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6023.2122	-4.287	10.0530	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6023.2122	-4.166	10.0530	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04

S 1	6023.2122	-4.460	10.0530	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6023.2122	-4.214	10.0530	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6023.2122	-6.207	10.0530	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6023.2122	-4.784	10.0530	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6023.8800	-7.208	10.0972	1.0	12.1548	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6023.8800	-2.438	10.0972	1.0	12.1548	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6024.0143	-6.929	10.0533	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6024.0143	-4.210	10.0533	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6024.0143	-4.715	10.0533	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6024.0143	-4.403	10.0533	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6030.1661	-3.038	10.0972	1.0	12.1527	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6030.1661	-0.399	10.0972	1.0	12.1527	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6030.1661	-1.164	10.0972	1.0	12.1527	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6030.1661	-0.875	10.0972	1.0	12.1527	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6033.3905	-9.866	10.0777	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6033.3905	-8.582	10.0777	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6033.5834	-6.271	10.0528	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6033.5834	-3.910	10.0528	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6033.5834	-5.389	10.0528	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6033.5834	-4.005	10.0528	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6033.5834	-4.733	10.0528	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6033.5834	-4.687	10.0528	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6034.3737	-5.012	10.0530	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6034.3737	-3.529	10.0530	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6034.3737	-6.331	10.0530	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6034.3737	-3.714	10.0530	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6035.1788	-5.245	10.0533	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6035.1788	-5.113	10.0533	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6035.6489	-8.659	9.9835	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6035.6489	-5.195	9.9835	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6035.6489	-6.082	9.9835	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6035.6489	-5.348	9.9835	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6037.6355	-6.832	10.0833	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6037.6355	-5.119	10.0833	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6037.6355	-6.274	10.0833	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6037.6355	-5.360	10.0833	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6041.6455	-2.484	10.0972	1.0	12.1488	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6041.6455	-0.527	10.0972	1.0	12.1488	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).16f	K04



S 1	6043.8662	-8.919	10.0422	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6043.8662	-7.610	10.0422	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6043.8662	-9.552	10.0422	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6043.8662	-8.077	10.0422	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6043.8662	-9.717	10.0422	4.0	12.0931	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6043.8662	-8.397	10.0422	4.0	12.0931	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6043.9137	-9.621	10.0423	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6043.9137	-8.174	10.0423	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6043.9137	-9.739	10.0423	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6043.9137	-8.964	10.0423	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6043.9137	-9.579	10.0423	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6043.9137	-9.246	10.0423	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6043.9137	-9.764	10.0423	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6043.9137	-9.556	10.0423	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6044.4436	-4.688	9.9414	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6044.4436	-3.541	9.9414	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6044.4436	-4.226	9.9414	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6044.4436	-3.979	9.9414	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6044.4436	-4.745	9.9414	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6044.4436	-4.637	9.9414	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6045.0539	-5.126	9.9416	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6045.0539	-3.969	9.9416	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6045.0539	-5.636	9.9416	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6045.0539	-4.058	9.9416	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6045.0539	-5.081	9.9416	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6045.0539	-4.640	9.9416	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6045.7010	-4.634	9.9419	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6045.7010	-4.460	9.9419	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6045.7010	-5.928	9.9419	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6045.7010	-4.491	9.9419	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6047.4784	-7.887	9.9835	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6047.4784	-5.082	9.9835	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6049.9121	-5.741	10.0833	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6049.9121	-5.074	10.0833	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6052.1426	-5.294	10.0972	1.0	12.1452	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6052.1426	-1.470	10.0972	1.0	12.1452	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6052.1426	-2.138	10.0972	1.0	12.1452	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6052.1426	-1.993	10.0972	1.0	12.1452	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).15f	K04

S 1	6055.3612	-9.084	10.0422	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6055.3612	-8.889	10.0422	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6055.3612	-9.827	10.0422	4.0	12.0892	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6055.3612	-9.566	10.0422	4.0	12.0892	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6055.4089	-8.492	10.0423	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6055.4089	-7.612	10.0423	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6055.4089	-8.433	10.0423	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6055.4089	-7.944	10.0423	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6055.4089	-9.555	10.0423	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6055.4089	-8.679	10.0423	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6056.3810	-7.009	9.9414	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6056.3810	-3.817	9.9414	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6056.3810	-6.636	9.9414	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6056.3810	-4.465	9.9414	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6056.3810	-5.554	9.9414	3.0	11.9880	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6056.3810	-5.408	9.9414	3.0	11.9880	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6056.9938	-4.064	9.9416	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6056.9938	-3.917	9.9416	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6056.9938	-7.008	9.9416	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6056.9938	-4.471	9.9416	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6057.6434	-4.784	9.9419	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6057.6434	-3.860	9.9419	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6063.6691	-3.068	10.0972	1.0	12.1413	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6063.6691	-1.633	10.0972	1.0	12.1413	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6071.0006	-7.342	10.0833	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6071.0006	-5.380	10.0833	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6071.0006	-6.479	10.0833	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6071.0006	-5.505	10.0833	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6075.0883	-5.598	10.0528	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6075.0883	-4.115	10.0528	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6075.0883	-7.517	10.0528	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6075.0883	-4.370	10.0528	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6075.0883	-5.814	10.0528	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6075.0883	-4.844	10.0528	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6075.8895	-6.477	10.0530	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6075.8895	-4.734	10.0530	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6075.8895	-4.851	10.0530	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6075.8895	-4.803	10.0530	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04

S 1	6075.8895	-5.544	10.0530	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6075.8895	-5.442	10.0530	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6076.7057	-6.230	10.0533	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6076.7057	-4.901	10.0533	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6076.7057	-8.961	10.0533	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6076.7057	-5.059	10.0533	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6078.5641	-2.912	10.0972	1.0	12.1363	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6078.5641	-2.223	10.0972	1.0	12.1363	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6078.5641	-3.403	10.0972	1.0	12.1363	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6078.5641	-2.396	10.0972	1.0	12.1363	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6082.0773	-9.806	10.1208	4.0	12.1587	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.0773	-7.341	10.1208	4.0	12.1587	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.0773	-9.098	10.1208	4.0	12.1587	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.0773	-8.262	10.1208	4.0	12.1587	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1254	-6.883	10.1208	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1254	-6.273	10.1208	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1254	-8.407	10.1208	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1254	-7.153	10.1208	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1254	-9.788	10.1208	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1254	-7.687	10.1208	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1254	-8.761	10.1208	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1254	-7.889	10.1208	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1254	-8.629	10.1208	0.0	12.1587	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1254	-8.580	10.1208	0.0	12.1587	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1587	-7.560	10.1208	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1587	-6.886	10.1208	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1587	-7.489	10.1208	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1587	-6.911	10.1208	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1587	-7.851	10.1208	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.1587	-7.604	10.1208	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6082.9692	-6.592	10.0833	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6082.9692	-5.216	10.0833	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6086.7024	-6.713	10.0528	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6086.7024	-4.537	10.0528	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6086.7024	-6.452	10.0528	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6086.7024	-5.552	10.0528	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6086.7024	-7.900	10.0528	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6086.7024	-7.149	10.0528	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).11f	K04

S 1	6087.5067	-6.030	10.0530	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6087.5067	-4.419	10.0530	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6087.5067	-6.479	10.0530	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6087.5067	-5.221	10.0530	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6088.3260	-6.188	10.0533	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6088.3260	-4.515	10.0533	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6091.0080	-3.224	10.0972	1.0	12.1322	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6091.0080	-2.270	10.0972	1.0	12.1322	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6093.7926	-9.217	10.1208	4.0	12.1548	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6093.7926	-8.853	10.1208	4.0	12.1548	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6093.8408	-7.458	10.1208	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6093.8408	-6.800	10.1208	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6093.8408	-7.241	10.1208	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6093.8408	-6.946	10.1208	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6093.8408	-9.217	10.1208	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6093.8408	-8.068	10.1208	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6093.8743	-7.060	10.1208	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6093.8743	-6.330	10.1208	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6093.8743	-7.846	10.1208	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6093.8743	-7.060	10.1208	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6094.8142	-4.309	10.1250	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6094.8142	-3.244	10.1250	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6094.8142	-5.284	10.1250	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6094.8142	-3.403	10.1250	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6094.8142	-5.640	10.1250	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6094.8142	-4.106	10.1250	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6095.7656	-4.492	10.1254	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6095.7656	-3.718	10.1254	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6095.7656	-4.256	10.1254	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6095.7656	-3.791	10.1254	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6095.7656	-4.533	10.1254	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6095.7656	-4.471	10.1254	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6096.6280	-5.120	10.1256	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6096.6280	-4.019	10.1256	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6096.6280	-6.899	10.1256	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6096.6280	-4.096	10.1256	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6100.2254	-8.191	10.1208	4.0	12.1527	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.2254	-5.339	10.1208	4.0	12.1527	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04

S 1	6100.2254	-7.097	10.1208	4.0	12.1527	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.2254	-6.209	10.1208	4.0	12.1527	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.2738	-4.952	10.1208	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.2738	-4.218	10.1208	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.2738	-7.803	10.1208	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.2738	-4.444	10.1208	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.2738	-6.162	10.1208	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.2738	-5.151	10.1208	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.2738	-6.532	10.1208	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.2738	-6.101	10.1208	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.2738	-6.800	10.1208	0.0	12.1527	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.2738	-6.363	10.1208	0.0	12.1527	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.3073	-5.516	10.1208	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.3073	-4.848	10.1208	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.3073	-5.522	10.1208	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.3073	-5.003	10.1208	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.3073	-5.753	10.1208	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6100.3073	-5.686	10.1208	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6106.5786	-5.993	10.1250	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6106.5786	-3.496	10.1250	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6106.5786	-4.632	10.1250	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6106.5786	-3.977	10.1250	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6106.5786	-6.278	10.1250	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6106.5786	-5.216	10.1250	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6107.5337	-4.218	10.1254	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6107.5337	-3.436	10.1254	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6107.5337	-5.069	10.1254	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6107.5337	-4.171	10.1254	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6108.3994	-3.840	10.1256	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6108.3994	-3.813	10.1256	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6111.9734	-7.265	10.1208	4.0	12.1488	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6111.9734	-6.693	10.1208	4.0	12.1488	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6111.9734	-7.810	10.1208	4.0	12.1488	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6111.9734	-7.406	10.1208	4.0	12.1488	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6112.0219	-7.591	10.1208	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6112.0219	-4.314	10.1208	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6112.0219	-5.177	10.1208	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6112.0219	-4.917	10.1208	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04

S 1	6112.0219	-5.512	10.1208	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6112.0219	-5.167	10.1208	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6112.0219	-7.149	10.1208	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6112.0219	-6.083	10.1208	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6112.0556	-5.344	10.1208	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6112.0556	-4.307	10.1208	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6112.0556	-5.546	10.1208	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6112.0556	-5.175	10.1208	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6112.3844	-3.616	10.0972	1.0	12.1250	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6112.3844	-2.712	10.0972	1.0	12.1250	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6112.3844	-4.043	10.0972	1.0	12.1250	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6112.3844	-3.052	10.0972	1.0	12.1250	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6113.0385	-2.382	10.1250	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6113.0385	-1.217	10.1250	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6113.0385	-3.149	10.1250	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6113.0385	-1.456	10.1250	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6113.0385	-3.440	10.1250	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6113.0385	-2.116	10.1250	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6113.2104	-6.723	10.0833	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6113.2104	-5.520	10.0833	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6113.2104	-6.884	10.0833	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6113.2104	-5.704	10.0833	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6113.9956	-2.161	10.1254	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6113.9956	-1.772	10.1254	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6113.9956	-2.538	10.1254	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6113.9956	-1.778	10.1254	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6113.9956	-2.532	10.1254	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6113.9956	-2.501	10.1254	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6114.8632	-2.925	10.1256	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6114.8632	-1.978	10.1256	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6114.8632	-5.638	10.1256	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6114.8632	-2.151	10.1256	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6115.4804	-9.426	10.0422	4.0	12.0691	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6115.4804	-9.036	10.0422	4.0	12.0691	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6115.4804	-9.487	10.0422	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6115.4804	-9.423	10.0422	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6115.5290	-9.710	10.0423	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6115.5290	-8.988	10.0423	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).10f	K04

S 1	6115.5290	-9.647	10.0423	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6115.5290	-9.512	10.0423	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6122.7165	-8.276	10.1208	4.0	12.1452	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7165	-7.275	10.1208	4.0	12.1452	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7652	-6.018	10.1208	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7652	-5.290	10.1208	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7652	-7.556	10.1208	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7652	-6.262	10.1208	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7652	-9.399	10.1208	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7652	-6.808	10.1208	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7652	-7.607	10.1208	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7652	-7.378	10.1208	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7652	-7.743	10.1208	0.0	12.1452	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7652	-7.403	10.1208	0.0	12.1452	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7990	-6.645	10.1208	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7990	-5.918	10.1208	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7990	-6.622	10.1208	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7990	-6.051	10.1208	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7990	-7.110	10.1208	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6122.7990	-6.882	10.1208	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6123.7441	-9.141	9.8020	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6123.7441	-7.858	9.8020	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6123.7441	-8.740	9.8020	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6123.7441	-8.091	9.8020	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6124.5169	-3.355	10.0972	1.0	12.1210	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6124.5169	-2.964	10.0972	1.0	12.1210	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6124.7083	-6.288	10.0833	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6124.7083	-5.304	10.0833	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6124.8359	-4.285	10.1250	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6124.8359	-1.550	10.1250	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6124.8359	-2.684	10.1250	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6124.8359	-2.461	10.1250	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6124.8359	-4.464	10.1250	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6124.8359	-3.289	10.1250	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6125.7967	-2.475	10.1254	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6125.7967	-1.435	10.1254	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6125.7967	-2.646	10.1254	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6125.7967	-2.300	10.1254	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).16f	K04

S 1	6126.6676	-1.812	10.1256	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6126.6676	-1.788	10.1256	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6127.8130	-9.445	10.0422	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6127.8130	-8.070	10.0422	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6127.8618	-9.354	10.0423	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6127.8618	-8.534	10.0423	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6127.8618	-9.986	10.0423	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6127.8618	-8.731	10.0423	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6134.5137	-8.370	10.1208	4.0	12.1413	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5137	-7.677	10.1208	4.0	12.1413	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5137	-8.986	10.1208	4.0	12.1413	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5137	-8.966	10.1208	4.0	12.1413	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5626	-9.117	10.1208	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5626	-5.406	10.1208	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5626	-6.157	10.1208	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5626	-6.050	10.1208	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5626	-6.632	10.1208	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5626	-6.162	10.1208	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5626	-7.967	10.1208	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5626	-7.283	10.1208	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5965	-6.377	10.1208	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5965	-5.372	10.1208	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5965	-6.717	10.1208	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6134.5965	-6.177	10.1208	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6135.6243	-3.421	10.1250	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6135.6243	-2.293	10.1250	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6135.6243	-4.393	10.1250	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6135.6243	-2.516	10.1250	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6135.6243	-4.826	10.1250	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6135.6243	-3.216	10.1250	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6136.5885	-3.636	10.1254	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6136.5885	-2.818	10.1254	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6136.5885	-3.239	10.1254	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6136.5885	-2.855	10.1254	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6136.5885	-3.747	10.1254	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6136.5885	-3.676	10.1254	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6136.6375	-9.648	9.8020	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6136.6375	-8.079	9.8020	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).6f	K04



S 1	6136.6375	-9.249	9.8020	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6136.6375	-8.879	9.8020	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6137.4625	-3.974	10.1256	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6137.4625	-3.130	10.1256	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6137.4625	-6.302	10.1256	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6137.4625	-3.287	10.1256	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6143.5991	-9.386	9.9745	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6143.5991	-9.159	9.9745	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6143.5991	-9.569	9.9745	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6143.5991	-9.183	9.9745	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6147.4487	-5.823	10.0528	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6147.4487	-5.345	10.0528	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6147.4487	-6.435	10.0528	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6147.4487	-5.519	10.0528	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6147.4487	-6.824	10.0528	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6147.4487	-6.188	10.0528	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6147.4713	-5.238	10.1250	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6147.4713	-2.633	10.1250	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6147.4713	-3.772	10.1250	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6147.4713	-3.407	10.1250	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6147.4713	-5.122	10.1250	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6147.4713	-4.476	10.1250	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6148.2691	-6.229	10.0530	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6148.2691	-5.809	10.0530	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6148.2691	-6.081	10.0530	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6148.2691	-5.985	10.0530	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6148.2691	-6.700	10.0530	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6148.2691	-6.233	10.0530	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6148.4392	-3.495	10.1254	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6148.4392	-2.500	10.1254	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6148.4392	-3.800	10.1254	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6148.4392	-3.247	10.1254	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6149.1048	-7.551	10.0533	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6149.1048	-6.128	10.0533	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6149.1048	-8.875	10.0533	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6149.1048	-6.194	10.0533	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6149.3166	-2.951	10.1256	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6149.3166	-2.808	10.1256	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).15f	K04

S 1	6149.7592	-8.872	10.1208	4.0	12.1363	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.7592	-7.881	10.1208	4.0	12.1363	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8084	-6.621	10.1208	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8084	-5.839	10.1208	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8084	-9.897	10.1208	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8084	-6.053	10.1208	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8084	-6.835	10.1208	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8084	-6.715	10.1208	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8084	-8.894	10.1208	0.0	12.1363	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8084	-7.775	10.1208	0.0	12.1363	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8084	-8.654	10.1208	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8084	-7.805	10.1208	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8084	-9.002	10.1208	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8084	-8.016	10.1208	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8425	-6.908	10.1208	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8425	-6.308	10.1208	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8425	-7.204	10.1208	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8425	-6.479	10.1208	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8425	-7.414	10.1208	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6149.8425	-7.259	10.1208	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6153.3931	-9.845	10.1444	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6153.3931	-9.183	10.1444	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6155.1737	-3.957	10.0972	1.0	12.1109	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6155.1737	-3.360	10.0972	1.0	12.1109	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6155.1737	-4.641	10.0972	1.0	12.1109	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6155.1737	-3.715	10.0972	1.0	12.1109	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6159.9107	-7.740	10.0528	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6159.9107	-5.337	10.0528	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6159.9107	-6.594	10.0528	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6159.9107	-5.900	10.0528	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6159.9107	-6.900	10.0528	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6159.9107	-6.531	10.0528	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6160.7344	-6.828	10.0530	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6160.7344	-5.179	10.0530	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6160.7344	-6.685	10.0530	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6160.7344	-5.683	10.0530	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6161.5736	-6.368	10.0533	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6161.5736	-5.380	10.0533	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).10f	K04

S 1	6162.4965	-8.981	10.1208	4.0	12.1322	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.4965	-8.136	10.1208	4.0	12.1322	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.4965	-9.635	10.1208	4.0	12.1322	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.4965	-9.449	10.1208	4.0	12.1322	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.5459	-9.960	10.1208	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.5459	-5.988	10.1208	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.5459	-7.600	10.1208	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.5459	-6.359	10.1208	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.5459	-7.165	10.1208	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.5459	-6.730	10.1208	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.5459	-8.660	10.1208	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.5459	-7.371	10.1208	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.5801	-7.101	10.1208	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.5801	-5.920	10.1208	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.5801	-7.224	10.1208	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.5801	-6.950	10.1208	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6162.7815	-4.014	10.1250	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6162.7815	-2.853	10.1250	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6162.7815	-5.067	10.1250	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6162.7815	-3.058	10.1250	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6162.7815	-3.861	10.1250	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6162.7815	-3.815	10.1250	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6163.7542	-3.602	10.1254	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6163.7542	-3.210	10.1254	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6163.7542	-3.784	10.1254	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6163.7542	-3.426	10.1254	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6163.7542	-4.293	10.1254	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6163.7542	-4.027	10.1254	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6164.6360	-5.080	10.1256	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6164.6360	-3.836	10.1256	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6164.6360	-6.528	10.1256	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6164.6360	-4.597	10.1256	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6164.9591	-6.870	10.1482	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6164.9591	-6.668	10.1482	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6166.8301	-4.553	10.0972	1.0	12.1071	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6166.8301	-4.216	10.0972	1.0	12.1071	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6167.4807	-9.575	10.0833	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6167.4807	-4.794	10.0833	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).11f	K04

S 1	6167.4807	-7.641	10.0833	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6167.4807	-5.272	10.0833	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6171.0403	-7.462	9.9835	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6171.0403	-5.193	9.9835	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6171.0403	-6.171	9.9835	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6171.0403	-5.382	9.9835	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6171.8746	-6.504	9.8178	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6171.8746	-5.062	9.8178	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6171.8746	-6.374	9.8178	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6171.8746	-5.223	9.8178	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6171.9699	-9.107	10.1444	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6171.9699	-7.079	10.1444	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6171.9699	-8.070	10.1444	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6171.9699	-7.235	10.1444	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6171.9699	-8.620	10.1444	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6171.9699	-7.755	10.1444	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6174.1617	-8.495	9.9179	4.0	11.9254	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.1617	-7.133	9.9179	4.0	11.9254	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.1617	-8.173	9.9179	4.0	11.9254	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.1617	-8.163	9.9179	4.0	11.9254	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2265	-7.208	9.9179	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2265	-7.002	9.9179	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2265	-8.200	9.9179	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2265	-7.087	9.9179	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2265	-8.898	9.9179	3.0	11.9254	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2265	-8.195	9.9179	3.0	11.9254	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2745	-8.708	9.9179	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2745	-7.941	9.9179	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2745	-9.798	9.9179	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2745	-8.643	9.9179	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2951	-8.976	9.9179	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2951	-7.659	9.9179	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2951	-8.344	9.9179	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2951	-7.750	9.9179	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2951	-9.481	9.9179	2.0	11.9254	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2951	-8.424	9.9179	2.0	11.9254	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2989	-8.092	9.9179	0.0	11.9254	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6174.2989	-7.877	9.9179	0.0	11.9254	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).7f	K04

S 1	6175.5728	-5.788	10.1250	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6175.5728	-3.202	10.1250	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6175.5728	-4.288	10.1250	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6175.5728	-3.974	10.1250	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6175.5728	-5.715	10.1250	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6175.5728	-4.571	10.1250	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6176.5496	-4.192	10.1254	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6176.5496	-3.056	10.1254	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6176.5496	-4.318	10.1254	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6176.5496	-4.071	10.1254	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6176.9961	-6.649	10.1482	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6176.9961	-6.204	10.1482	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6177.4350	-3.930	10.1256	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6177.4350	-3.192	10.1256	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6179.4512	-8.858	10.0833	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6179.4512	-5.392	10.0833	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6183.4682	-8.227	9.9179	3.0	11.9224	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6183.4682	-6.572	9.9179	3.0	11.9224	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6183.4682	-8.651	9.9179	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6183.4682	-7.315	9.9179	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6183.4682	-9.759	9.9179	3.0	11.9224	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6183.4682	-8.999	9.9179	3.0	11.9224	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6183.4835	-6.984	9.9835	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6183.4835	-5.135	9.9835	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6183.5164	-8.645	9.9179	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6183.5164	-7.328	9.9179	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6183.5371	-6.898	9.9179	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6183.5371	-6.879	9.9179	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6183.5371	-8.048	9.9179	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6183.5371	-7.173	9.9179	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6183.6059	-5.413	10.1482	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6183.6059	-4.319	10.1482	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6183.6059	-5.092	10.1482	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6183.6059	-4.500	10.1482	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6183.9961	-8.602	10.1444	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6183.9961	-7.259	10.1444	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6183.9961	-8.378	10.1444	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6183.9961	-7.869	10.1444	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<3/2>).16f	K04

S 1	6184.3786	-9.274	10.1208	4.0	12.1250	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.3786	-9.083	10.1208	4.0	12.1250	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4284	-7.207	10.1208	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4284	-6.323	10.1208	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4284	-9.653	10.1208	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4284	-6.423	10.1208	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4284	-9.233	10.1208	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4284	-7.333	10.1208	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4284	-8.406	10.1208	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4284	-7.839	10.1208	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4284	-9.388	10.1208	0.0	12.1250	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4284	-8.192	10.1208	0.0	12.1250	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4284	-9.132	10.1208	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4284	-8.411	10.1208	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4628	-7.979	10.1208	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4628	-6.955	10.1208	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4628	-7.477	10.1208	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4628	-7.361	10.1208	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4628	-7.989	10.1208	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.4628	-7.906	10.1208	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6184.9717	-7.369	9.8178	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6184.9717	-4.896	9.8178	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6194.9941	-9.945	10.1444	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6194.9941	-8.152	10.1444	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6194.9941	-9.034	10.1444	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6194.9941	-8.332	10.1444	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6194.9941	-9.512	10.1444	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6194.9941	-8.787	10.1444	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6195.6775	-4.602	10.1482	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6195.6775	-4.436	10.1482	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6196.7989	-9.598	10.1208	4.0	12.1210	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6196.7989	-8.488	10.1208	4.0	12.1210	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6196.8489	-9.292	10.1208	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6196.8489	-6.831	10.1208	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6196.8489	-7.641	10.1208	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6196.8489	-7.258	10.1208	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6196.8489	-8.436	10.1208	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6196.8489	-8.367	10.1208	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).13f	K04

S 1	6196.8834	-8.009	10.1208	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6196.8834	-6.409	10.1208	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6196.8834	-8.198	10.1208	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6196.8834	-7.264	10.1208	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6197.5480	-4.574	10.1250	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6197.5480	-3.356	10.1250	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6197.5480	-5.850	10.1250	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6197.5480	-3.415	10.1250	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6197.5480	-7.190	10.1250	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6197.5480	-4.323	10.1250	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6198.5318	-4.445	10.1254	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6198.5318	-3.920	10.1254	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6198.5318	-4.381	10.1254	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6198.5318	-4.046	10.1254	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6198.5318	-4.834	10.1254	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6198.5318	-4.638	10.1254	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6199.4235	-5.403	10.1256	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6199.4235	-4.344	10.1256	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6206.7172	-6.304	10.1482	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6206.7172	-5.239	10.1482	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6206.7172	-5.967	10.1482	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6206.7172	-5.373	10.1482	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6207.0717	-9.813	10.1444	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6207.0717	-8.340	10.1444	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6207.0717	-9.845	10.1444	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6207.0717	-9.065	10.1444	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6210.0213	-6.223	10.1250	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6210.0213	-3.724	10.1250	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6210.0213	-4.735	10.1250	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6210.0213	-4.501	10.1250	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6210.0213	-5.661	10.1250	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6210.0213	-5.579	10.1250	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6210.1949	-4.445	10.0972	1.0	12.0931	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6210.1949	-4.405	10.0972	1.0	12.0931	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6210.1949	-5.394	10.0972	1.0	12.0931	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6210.1949	-4.572	10.0972	1.0	12.0931	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6211.0090	-5.003	10.1254	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6211.0090	-3.554	10.1254	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).13f	K04

S 1	6211.0090	-5.225	10.1254	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6211.0090	-4.375	10.1254	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6211.9044	-5.496	10.1256	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6211.9044	-3.637	10.1256	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6213.3908	-8.313	10.0422	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.3908	-7.691	10.0422	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.3908	-8.096	10.0422	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.3908	-7.774	10.0422	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.3908	-8.840	10.0422	4.0	12.0371	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.3908	-8.241	10.0422	4.0	12.0371	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.3908	-8.861	10.0422	4.0	12.0371	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.3908	-8.499	10.0422	4.0	12.0371	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.4410	-8.608	10.0423	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.4410	-8.165	10.0423	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.4410	-8.973	10.0423	0.0	12.0371	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.4410	-8.550	10.0423	0.0	12.0371	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.4410	-9.102	10.0423	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.4410	-8.567	10.0423	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.4410	-9.349	10.0423	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.4410	-8.689	10.0423	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.4410	-9.189	10.0423	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6213.4410	-9.189	10.0423	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6218.8406	-5.485	10.1482	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6218.8406	-4.921	10.1482	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6222.3320	-4.740	10.0972	1.0	12.0892	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6222.3320	-3.975	10.0972	1.0	12.0892	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6225.9280	-8.894	10.0422	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6225.9280	-7.334	10.0422	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6225.9280	-8.953	10.0422	4.0	12.0331	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6225.9280	-8.570	10.0422	4.0	12.0331	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6225.9280	-9.565	10.0422	4.0	12.0331	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6225.9280	-8.841	10.0422	4.0	12.0331	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6225.9784	-8.102	10.0423	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6225.9784	-7.477	10.0423	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6225.9784	-8.102	10.0423	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6225.9784	-7.958	10.0423	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6228.1855	-9.860	10.1208	4.0	12.1109	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6228.1855	-8.292	10.1208	4.0	12.1109	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).12f	K04



S 1	6228.2359	-8.097	10.1208	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6228.2359	-6.920	10.1208	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6228.2359	-8.893	10.1208	0.0	12.1109	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6228.2359	-8.286	10.1208	0.0	12.1109	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6228.2359	-8.687	10.1208	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6228.2359	-8.606	10.1208	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6228.2708	-8.247	10.1208	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6228.2708	-7.618	10.1208	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6228.2708	-8.115	10.1208	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6228.2708	-8.016	10.1208	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6228.2708	-9.885	10.1208	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6228.2708	-8.458	10.1208	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6234.5087	-6.892	10.1482	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6234.5087	-5.243	10.1482	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6234.5087	-6.472	10.1482	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6234.5087	-5.480	10.1482	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6240.1709	-8.446	10.1208	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6240.1709	-6.930	10.1208	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6240.1709	-8.195	10.1208	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6240.1709	-7.899	10.1208	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6240.1709	-9.450	10.1208	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6240.1709	-8.243	10.1208	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6240.2060	-8.828	10.1208	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6240.2060	-6.746	10.1208	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6240.2060	-9.615	10.1208	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6240.2060	-7.058	10.1208	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6241.5423	-5.350	10.1250	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6241.5423	-4.001	10.1250	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6241.5423	-6.617	10.1250	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6241.5423	-4.294	10.1250	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6241.5423	-6.837	10.1250	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6241.5423	-5.012	10.1250	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6242.0723	-8.731	10.0833	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6242.0723	-5.329	10.0833	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6242.0723	-6.748	10.0833	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6242.0723	-5.408	10.0833	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6242.5400	-4.743	10.1254	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6242.5400	-4.654	10.1254	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04

S 1	6242.5400	-4.985	10.1254	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6242.5400	-4.664	10.1254	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6242.5400	-6.303	10.1254	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6242.5400	-5.242	10.1254	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6243.4445	-7.261	10.1256	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6243.4445	-4.671	10.1256	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6243.4445	-5.087	10.1256	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6243.4445	-4.858	10.1256	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6243.5264	-9.749	10.1735	4.0	12.1587	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5264	-7.164	10.1735	4.0	12.1587	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5264	-7.965	10.1735	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5264	-7.657	10.1735	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5264	-8.508	10.1735	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5264	-8.019	10.1735	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5264	-8.918	10.1735	4.0	12.1587	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5264	-8.084	10.1735	4.0	12.1587	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5264	-9.594	10.1735	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5264	-8.683	10.1735	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5966	-9.187	10.1735	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5966	-8.389	10.1735	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5966	-9.309	10.1735	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5966	-8.432	10.1735	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5966	-8.706	10.1735	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5966	-8.681	10.1735	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5966	-8.844	10.1735	0.0	12.1587	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5966	-8.826	10.1735	0.0	12.1587	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5966	-9.326	10.1735	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6243.5966	-8.837	10.1735	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6246.3937	-4.995	10.0528	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6246.3937	-4.073	10.0528	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6246.3937	-5.254	10.0528	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6246.3937	-4.432	10.0528	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6246.3937	-6.927	10.0528	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6246.3937	-4.807	10.0528	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6246.6318	-4.320	10.1745	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6246.6318	-3.351	10.1745	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6246.6318	-5.567	10.1745	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6246.6318	-3.513	10.1745	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04

S 1	6246.6318	-5.634	10.1745	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6246.6318	-4.195	10.1745	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6247.2407	-5.042	10.0530	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6247.2407	-4.603	10.0530	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6247.2407	-4.925	10.0530	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6247.2407	-4.846	10.0530	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6247.2407	-5.514	10.0530	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6247.2407	-5.035	10.0530	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6247.2954	-4.621	10.1747	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6247.2954	-3.830	10.1747	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6247.2954	-4.334	10.1747	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6247.2954	-3.907	10.1747	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6247.2954	-4.579	10.1747	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6247.2954	-4.571	10.1747	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6247.4750	-4.395	9.9414	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6247.4750	-3.239	9.9414	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6247.4750	-3.940	9.9414	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6247.4750	-3.657	9.9414	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6247.4750	-4.665	9.9414	3.0	11.9254	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6247.4750	-4.263	9.9414	3.0	11.9254	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6247.5999	-5.856	10.1482	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6247.5999	-5.179	10.1482	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6248.1036	-7.085	10.0533	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6248.1036	-4.882	10.0533	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6248.1036	-7.834	10.0533	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6248.1036	-5.038	10.0533	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6248.1270	-6.573	9.9416	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6248.1270	-3.639	9.9416	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6248.1270	-4.624	9.9416	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6248.1270	-3.785	9.9416	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6248.1270	-4.899	9.9416	2.0	11.9254	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6248.1270	-4.329	9.9416	2.0	11.9254	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6248.7870	-5.174	10.1751	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6248.7870	-4.129	10.1751	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6248.7870	-7.290	10.1751	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6248.7870	-4.208	10.1751	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6248.8183	-4.584	9.9419	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6248.8183	-4.042	9.9419	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).7f	K04

S 1	6248.8183	-5.265	9.9419	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6248.8183	-4.189	9.9419	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6253.5284	-5.859	10.1250	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6253.5284	-4.192	10.1250	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6253.5284	-6.656	10.1250	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6253.5284	-4.437	10.1250	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6253.5284	-5.218	10.1250	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6253.5284	-5.140	10.1250	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6254.5300	-6.037	10.1254	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6254.5300	-3.692	10.1254	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6254.5300	-7.933	10.1254	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6254.5300	-4.216	10.1254	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6254.9213	-8.373	10.0833	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6254.9213	-5.636	10.0833	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6255.4380	-5.910	10.1256	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6255.4380	-4.729	10.1256	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6255.8725	-8.764	10.1735	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6255.8725	-7.469	10.1735	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6255.8725	-9.086	10.1735	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6255.8725	-8.386	10.1735	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6255.8725	-9.114	10.1735	4.0	12.1548	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6255.8725	-8.710	10.1735	4.0	12.1548	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6255.9429	-8.348	10.1735	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6255.9429	-8.232	10.1735	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6255.9429	-9.033	10.1735	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6255.9429	-8.394	10.1735	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6256.9374	-6.928	9.9414	3.0	11.9224	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6256.9374	-3.500	9.9414	3.0	11.9224	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6256.9374	-5.652	9.9414	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6256.9374	-4.165	9.9414	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6256.9374	-5.546	9.9414	3.0	11.9224	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6256.9374	-5.218	9.9414	3.0	11.9224	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6257.5915	-3.679	9.9416	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6257.5915	-3.674	9.9416	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6257.5915	-5.163	9.9416	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6257.5915	-4.174	9.9416	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6258.2849	-6.339	9.9419	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6258.2849	-4.814	9.9419	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).7f	K04

S 1	6258.9901	-6.235	10.1745	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6258.9901	-3.555	10.1745	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6258.9901	-4.713	10.1745	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6258.9901	-4.066	10.1745	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6258.9901	-7.802	10.1745	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6258.9901	-5.160	10.1745	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6259.0646	-7.555	10.0528	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6259.0646	-5.007	10.0528	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6259.0646	-6.251	10.0528	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6259.0646	-5.402	10.0528	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6259.6564	-4.211	10.1747	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6259.6564	-3.513	10.1747	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6259.6564	-5.156	10.1747	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6259.6564	-4.224	10.1747	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6259.9151	-4.783	10.0530	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6259.9151	-4.273	10.0530	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6259.9151	-7.866	10.0530	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6259.9151	-4.872	10.0530	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6260.7814	-5.519	10.0533	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6260.7814	-4.331	10.0533	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6261.1539	-3.900	10.1751	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6261.1539	-3.891	10.1751	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6262.6522	-8.138	10.1735	4.0	12.1527	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.6522	-5.318	10.1735	4.0	12.1527	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.6522	-6.259	10.1735	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.6522	-5.869	10.1735	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.6522	-6.649	10.1735	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.6522	-6.169	10.1735	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.6522	-7.074	10.1735	4.0	12.1527	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.6522	-6.189	10.1735	4.0	12.1527	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.6522	-7.505	10.1735	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.6522	-6.853	10.1735	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.7229	-7.310	10.1735	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.7229	-6.310	10.1735	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.7229	-8.534	10.1735	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.7229	-6.349	10.1735	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.7229	-6.703	10.1735	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.7229	-6.369	10.1735	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04

S 1	6262.7229	-6.902	10.1735	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.7229	-6.468	10.1735	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.7229	-7.100	10.1735	0.0	12.1527	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.7229	-6.656	10.1735	0.0	12.1527	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.7229	-7.309	10.1735	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6262.7229	-7.019	10.1735	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6265.7767	-2.483	10.1745	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6265.7767	-1.389	10.1745	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6265.7767	-3.423	10.1745	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6265.7767	-1.626	10.1745	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6265.7767	-3.587	10.1745	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6265.7767	-2.299	10.1745	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6266.4444	-2.730	10.1747	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6266.4444	-1.942	10.1747	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6266.4444	-2.315	10.1747	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6266.4444	-1.951	10.1747	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6266.4444	-2.704	10.1747	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6266.4444	-2.670	10.1747	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6267.9452	-3.075	10.1751	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6267.9452	-2.161	10.1751	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6267.9452	-7.517	10.1751	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6267.9452	-2.325	10.1751	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6270.0916	-7.431	10.1482	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6270.0916	-5.536	10.1482	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6270.0916	-6.701	10.1482	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6270.0916	-5.665	10.1482	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6275.0348	-6.819	10.1735	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6275.0348	-5.781	10.1735	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6275.0348	-7.316	10.1735	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6275.0348	-6.423	10.1735	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6275.0348	-7.293	10.1735	4.0	12.1488	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6275.0348	-6.723	10.1735	4.0	12.1488	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6275.0348	-7.828	10.1735	4.0	12.1488	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6275.0348	-7.402	10.1735	4.0	12.1488	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6275.0348	-8.299	10.1735	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6275.0348	-7.684	10.1735	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6275.1057	-6.718	10.1735	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6275.1057	-6.254	10.1735	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04

S 1	6275.1057	-7.040	10.1735	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6275.1057	-6.368	10.1735	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6275.1057	-8.974	10.1735	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6275.1057	-7.041	10.1735	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6278.1716	-4.604	10.1745	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6278.1716	-1.687	10.1745	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6278.1716	-2.830	10.1745	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6278.1716	-2.598	10.1745	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6278.1716	-4.605	10.1745	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6278.1716	-3.433	10.1745	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6278.8419	-2.550	10.1747	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6278.8419	-1.585	10.1747	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6278.8419	-2.846	10.1747	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6278.8419	-2.439	10.1747	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6280.3487	-1.970	10.1751	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6280.3487	-1.923	10.1751	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6282.8589	-6.766	10.1482	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6282.8589	-5.359	10.1482	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6284.5770	-9.070	10.1208	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6284.5770	-7.852	10.1208	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6284.5770	-9.681	10.1208	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6284.5770	-8.429	10.1208	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6284.5770	-9.458	10.1208	0.0	12.0931	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6284.5770	-9.427	10.1208	0.0	12.0931	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6284.6126	-9.758	10.1208	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6284.6126	-8.586	10.1208	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6284.6126	-9.347	10.1208	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6284.6126	-9.336	10.1208	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6285.8297	-3.388	10.0972	1.0	12.0691	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6285.8297	-2.937	10.0972	1.0	12.0691	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6285.8297	-3.753	10.0972	1.0	12.0691	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6285.8297	-3.259	10.0972	1.0	12.0691	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6286.3593	-7.426	10.1735	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.3593	-7.041	10.1735	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.3593	-8.302	10.1735	4.0	12.1452	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.3593	-7.303	10.1735	4.0	12.1452	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.3593	-7.693	10.1735	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.3593	-7.323	10.1735	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04

S 1	6286.3593	-9.022	10.1735	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.3593	-7.929	10.1735	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.4305	-8.537	10.1735	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.4305	-7.343	10.1735	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.4305	-9.421	10.1735	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.4305	-7.363	10.1735	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.4305	-8.142	10.1735	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.4305	-7.448	10.1735	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.4305	-7.626	10.1735	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.4305	-7.465	10.1735	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.4305	-8.078	10.1735	0.0	12.1452	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.4305	-7.710	10.1735	0.0	12.1452	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.4305	-8.239	10.1735	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6286.4305	-8.027	10.1735	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6289.5074	-3.555	10.1745	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6289.5074	-2.484	10.1745	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6289.5074	-4.690	10.1745	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6289.5074	-2.705	10.1745	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6289.5074	-5.000	10.1745	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6289.5074	-3.419	10.1745	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6290.1802	-3.833	10.1747	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6290.1802	-2.999	10.1747	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6290.1802	-3.415	10.1747	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6290.1802	-3.053	10.1747	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6290.1802	-3.931	10.1747	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6290.1802	-3.872	10.1747	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6291.6924	-4.153	10.1751	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6291.6924	-3.342	10.1751	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6291.6924	-7.563	10.1751	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6291.6924	-3.491	10.1751	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6297.0068	-9.964	10.1208	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6297.0068	-8.817	10.1208	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6297.0425	-8.777	10.1208	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6297.0425	-8.641	10.1208	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6298.1255	-7.943	10.1250	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6298.1255	-5.163	10.1250	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6298.1255	-6.915	10.1250	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6298.1255	-5.457	10.1250	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).11f	K04



S 1	6298.1255	-7.676	10.1250	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6298.1255	-6.926	10.1250	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6298.7961	-7.998	10.1735	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6298.7961	-6.976	10.1735	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6298.7961	-8.783	10.1735	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6298.7961	-7.650	10.1735	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6298.7961	-8.440	10.1735	4.0	12.1413	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6298.7961	-7.743	10.1735	4.0	12.1413	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6298.7961	-9.047	10.1735	4.0	12.1413	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6298.7961	-9.011	10.1735	4.0	12.1413	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6298.8596	-3.414	10.0972	1.0	12.0650	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6298.8596	-2.892	10.0972	1.0	12.0650	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6298.8676	-7.916	10.1735	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6298.8676	-7.367	10.1735	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6298.8676	-7.912	10.1735	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6298.8676	-7.550	10.1735	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6299.1414	-5.875	10.1254	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6299.1414	-5.843	10.1254	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6299.1414	-7.643	10.1254	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6299.1414	-6.604	10.1254	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6300.0624	-9.198	10.1256	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6300.0624	-5.912	10.1256	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6300.0624	-7.844	10.1256	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6300.0624	-6.090	10.1256	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6301.9567	-5.528	10.1745	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6301.9567	-2.795	10.1745	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6301.9567	-3.942	10.1745	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6301.9567	-3.567	10.1745	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6301.9567	-5.739	10.1745	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6301.9567	-4.689	10.1745	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6302.6322	-3.609	10.1747	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6302.6322	-2.673	10.1747	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6302.6322	-4.023	10.1747	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6302.6322	-3.424	10.1747	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6304.1504	-3.133	10.1751	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6304.1504	-2.966	10.1751	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6304.3293	-7.506	10.1926	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6304.3293	-6.311	10.1926	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).17f	K04



S 1	6316.9172	-7.847	10.1926	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6316.9172	-6.376	10.1926	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6318.0470	-4.199	10.1745	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6318.0470	-3.075	10.1745	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6318.0470	-5.369	10.1745	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6318.0470	-3.274	10.1745	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6318.0470	-4.051	10.1745	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6318.0470	-4.043	10.1745	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6318.7259	-3.809	10.1747	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6318.7259	-3.372	10.1747	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6318.7259	-3.996	10.1747	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6318.7259	-3.653	10.1747	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6318.7259	-4.537	10.1747	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6318.7259	-4.269	10.1747	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6320.2519	-5.166	10.1751	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6320.2519	-4.062	10.1751	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6320.2519	-7.124	10.1751	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6320.2519	-5.108	10.1751	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6323.8300	-4.955	10.1926	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6323.8300	-4.592	10.1926	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6323.8300	-7.508	10.1926	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6323.8300	-4.626	10.1926	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6327.3962	-6.600	10.1482	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6327.3962	-5.349	10.1482	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6328.3014	-8.688	10.1735	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6328.3014	-7.759	10.1735	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6328.3014	-9.132	10.1735	4.0	12.1322	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6328.3014	-8.258	10.1735	4.0	12.1322	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6328.3014	-9.788	10.1735	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6328.3014	-8.349	10.1735	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6328.3014	-9.730	10.1735	4.0	12.1322	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6328.3014	-9.565	10.1735	4.0	12.1322	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6328.3735	-8.925	10.1735	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6328.3735	-7.925	10.1735	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6328.3735	-9.311	10.1735	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6328.3735	-9.296	10.1735	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6331.4917	-6.068	10.1745	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6331.4917	-3.406	10.1745	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).14f	K04

S 1	6331.4917	-4.496	10.1745	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6331.4917	-4.171	10.1745	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6331.4917	-5.810	10.1745	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6331.4917	-4.841	10.1745	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6332.1735	-4.359	10.1747	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6332.1735	-3.265	10.1747	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6332.1735	-4.507	10.1747	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6332.1735	-4.338	10.1747	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6333.7060	-4.090	10.1751	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6333.7060	-3.398	10.1751	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6336.4559	-4.479	10.1926	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6336.4559	-4.332	10.1926	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6342.4175	-8.923	9.7044	4.0	11.6587	5.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.4175	-5.802	9.7044	4.0	11.6587	5.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.4175	-8.334	9.7044	4.0	11.6587	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.4175	-6.311	9.7044	4.0	11.6587	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.4175	-7.703	9.7044	4.0	11.6587	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.4175	-7.216	9.7044	4.0	11.6587	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.5865	-7.245	9.7044	3.0	11.6587	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.5865	-6.466	9.7044	3.0	11.6587	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.5865	-6.988	9.7044	3.0	11.6587	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.5865	-6.957	9.7044	3.0	11.6587	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.5865	-7.495	9.7044	3.0	11.6587	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.5865	-7.488	9.7044	3.0	11.6587	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.7604	-7.210	9.7045	1.0	11.6587	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.7604	-5.621	9.7045	1.0	11.6587	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.7604	-6.402	9.7045	1.0	11.6587	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.7604	-5.876	9.7045	1.0	11.6587	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.7757	-8.934	9.7045	2.0	11.6587	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.7757	-5.585	9.7045	2.0	11.6587	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.7757	-6.582	9.7045	2.0	11.6587	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.7757	-5.808	9.7045	2.0	11.6587	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.7757	-7.480	9.7045	2.0	11.6587	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.7757	-6.359	9.7045	2.0	11.6587	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.8215	-9.179	9.7045	0.0	11.6587	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6342.8215	-5.679	9.7045	0.0	11.6587	1.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6344.1120	-8.383	10.0833	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6344.1120	-5.318	10.0833	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).9f	K04

S 1	6344.1120	-6.184	10.0833	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6344.1120	-5.469	10.0833	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6348.0034	-7.534	10.1926	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6348.0034	-5.470	10.1926	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6348.0034	-5.928	10.1926	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6348.0034	-5.487	10.1926	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6349.8057	-2.326	9.7066	1.0	11.6587	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6349.8057	-2.196	9.7066	1.0	11.6587	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6349.8057	-4.720	9.7066	1.0	11.6587	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6349.8057	-2.291	9.7066	1.0	11.6587	1.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6351.3790	-8.835	10.1735	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.3790	-8.514	10.1735	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.3790	-9.150	10.1735	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.3790	-8.722	10.1735	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.3790	-9.450	10.1735	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.3790	-9.131	10.1735	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.3790	-9.930	10.1735	4.0	12.1250	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.3790	-9.535	10.1735	4.0	12.1250	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.4517	-8.899	10.1735	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.4517	-8.272	10.1735	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.4517	-8.864	10.1735	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.4517	-8.407	10.1735	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.4517	-9.525	10.1735	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.4517	-8.440	10.1735	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.4517	-9.805	10.1735	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.4517	-8.496	10.1735	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.4517	-9.579	10.1735	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6351.4517	-9.246	10.1735	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6353.4619	-9.384	9.9745	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6353.4619	-8.586	9.9745	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6353.4619	-9.436	9.9745	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6353.4619	-8.721	9.9745	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6354.5926	-4.865	10.1745	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6354.5926	-3.628	10.1745	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6354.5926	-6.160	10.1745	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6354.5926	-3.652	10.1745	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6354.5926	-7.691	10.1745	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6354.5926	-4.626	10.1745	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04

S 1	6355.2794	-4.757	10.1747	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6355.2794	-4.189	10.1747	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6355.2794	-4.694	10.1747	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6355.2794	-4.296	10.1747	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6355.2794	-5.130	10.1747	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6355.2794	-4.943	10.1747	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6356.8231	-8.871	10.1751	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6356.8231	-4.284	10.1751	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6356.8231	-5.535	10.1751	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6356.8231	-4.626	10.1751	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6356.9686	-7.242	10.0422	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6356.9686	-7.132	10.0422	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6356.9686	-7.478	10.0422	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6356.9686	-7.316	10.0422	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6356.9686	-8.813	10.0422	4.0	11.9921	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6356.9686	-7.638	10.0422	4.0	11.9921	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6356.9686	-8.432	10.0422	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6356.9686	-8.298	10.0422	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6356.9686	-8.810	10.0422	4.0	11.9921	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6356.9686	-8.377	10.0422	4.0	11.9921	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6357.0171	-8.566	9.7044	4.0	11.6542	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6357.0171	-8.050	9.7044	4.0	11.6542	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6357.0171	-9.737	9.7044	4.0	11.6542	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6357.0171	-9.174	9.7044	4.0	11.6542	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6357.0212	-9.004	10.0423	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6357.0212	-7.663	10.0423	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6357.0212	-8.088	10.0423	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6357.0212	-7.786	10.0423	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6357.0212	-8.300	10.0423	0.0	11.9921	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6357.0212	-8.210	10.0423	0.0	11.9921	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6357.0212	-8.807	10.0423	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6357.0212	-8.305	10.0423	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6357.0212	-9.524	10.0423	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6357.0212	-8.661	10.0423	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6357.1828	-8.332	10.0833	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6357.1828	-5.213	10.0833	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6357.1869	-8.288	9.7044	3.0	11.6542	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6357.1869	-6.713	9.7044	3.0	11.6542	4.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04

S 1	6357.1869	-8.829	9.7044	3.0	11.6542	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6357.1869	-7.318	9.7044	3.0	11.6542	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6357.1869	-9.762	9.7044	3.0	11.6542	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6357.1869	-8.686	9.7044	3.0	11.6542	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6357.3615	-6.312	9.7045	1.0	11.6542	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6357.3615	-5.251	9.7045	1.0	11.6542	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6357.3769	-8.761	9.7045	2.0	11.6542	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6357.3769	-5.573	9.7045	2.0	11.6542	3.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6357.3769	-6.610	9.7045	2.0	11.6542	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6357.3769	-6.085	9.7045	2.0	11.6542	2.0	LS 3s2.3p3.(4S*).5d 5D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6360.6856	-5.297	10.1926	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6360.6856	-5.022	10.1926	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6361.5356	-4.258	10.2103	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6361.5356	-3.505	10.2103	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6361.5356	-6.572	10.2103	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6361.5356	-3.665	10.2103	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6361.5356	-5.584	10.2103	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6361.5356	-4.330	10.2103	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6361.9930	-9.327	10.1208	4.0	12.0691	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6361.9930	-8.042	10.1208	4.0	12.0691	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0457	-7.510	10.1208	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0457	-7.496	10.1208	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0457	-8.249	10.1208	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0457	-7.590	10.1208	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0457	-9.811	10.1208	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0457	-8.109	10.1208	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0457	-9.611	10.1208	0.0	12.0691	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0457	-8.836	10.1208	0.0	12.0691	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0457	-9.050	10.1208	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0457	-8.906	10.1208	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0821	-8.785	10.1208	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0821	-7.987	10.1208	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0821	-8.277	10.1208	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0821	-8.197	10.1208	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0821	-8.845	10.1208	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.0821	-8.797	10.1208	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6362.1752	-4.872	10.2105	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6362.1752	-3.991	10.2105	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04

S 1	6362.1752	-4.424	10.2105	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6362.1752	-4.109	10.2105	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6362.1752	-4.746	10.2105	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6362.1752	-4.631	10.2105	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6362.4789	-9.521	10.2106	4.0	12.1587	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6362.4789	-6.801	10.2106	4.0	12.1587	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6362.4789	-8.548	10.2106	4.0	12.1587	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6362.4789	-7.727	10.2106	4.0	12.1587	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6362.5397	-5.325	10.2106	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6362.5397	-3.875	10.2106	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6362.5397	-5.555	10.2106	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6362.5397	-4.060	10.2106	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6363.2484	-9.964	9.9745	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6363.2484	-8.783	9.9745	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6364.4394	-2.607	9.7066	1.0	11.6542	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6364.4394	-2.476	9.7066	1.0	11.6542	2.0	LS 3s2.3p3.(2P*).4s 1P*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6364.4799	-9.960	10.1735	4.0	12.1210	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6364.4799	-8.697	10.1735	4.0	12.1210	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6364.4799	-9.540	10.1735	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6364.4799	-8.922	10.1735	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6364.5528	-9.533	10.1735	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6364.5528	-8.445	10.1735	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6367.7068	-6.468	10.1745	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6367.7068	-4.004	10.1745	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6367.7068	-5.012	10.1745	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6367.7068	-4.762	10.1745	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6367.7068	-6.287	10.1745	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6367.7068	-5.753	10.1745	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6368.3963	-5.314	10.1747	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6368.3963	-3.829	10.1747	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6368.3963	-5.455	10.1747	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6368.3963	-4.684	10.1747	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6369.9464	-5.598	10.1751	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6369.9464	-3.896	10.1751	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6370.1737	-8.656	10.0422	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6370.1737	-6.760	10.0422	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6370.1737	-9.267	10.0422	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6370.1737	-7.457	10.0422	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04



S 1	6370.1737	-9.818	10.0422	3.0	11.9880	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6370.1737	-9.083	10.0422	3.0	11.9880	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6370.1737	-9.960	10.0422	4.0	11.9880	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6370.1737	-9.148	10.0422	4.0	11.9880	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6370.1737	-9.962	10.0422	4.0	11.9880	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6370.1737	-9.153	10.0422	4.0	11.9880	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6370.2265	-7.128	10.0423	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6370.2265	-6.956	10.0423	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6370.2265	-7.448	10.0423	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6370.2265	-7.305	10.0423	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6370.2265	-9.633	10.0423	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6370.2265	-7.360	10.0423	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6373.0570	-7.721	10.1482	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6373.0570	-5.371	10.1482	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6374.3532	-6.753	10.2103	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6374.3532	-3.576	10.2103	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6374.3532	-4.772	10.2103	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6374.3532	-4.132	10.2103	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6374.3532	-6.591	10.2103	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6374.3532	-5.080	10.2103	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6374.9955	-4.069	10.2105	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6374.9955	-3.591	10.2105	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6374.9955	-5.475	10.2105	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6374.9955	-4.248	10.2105	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6375.3004	-8.861	10.2106	4.0	12.1548	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6375.3004	-8.398	10.2106	4.0	12.1548	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6375.3004	-9.749	10.2106	4.0	12.1548	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6375.3004	-9.580	10.2106	4.0	12.1548	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6375.3614	-4.420	10.2106	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6375.3614	-3.990	10.2106	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6375.3939	-9.050	10.1208	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6375.3939	-7.054	10.1208	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6375.3939	-8.884	10.1208	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6375.3939	-7.790	10.1208	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6375.3939	-8.457	10.1208	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6375.3939	-7.799	10.1208	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6375.3939	-9.486	10.1208	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6375.3939	-9.016	10.1208	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).10f	K04

S 1	6375.4305	-8.844	10.1208	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6375.4305	-7.165	10.1208	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6375.4305	-9.317	10.1208	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6375.4305	-7.781	10.1208	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6375.9306	-5.108	10.1250	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6375.9306	-4.314	10.1250	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6375.9306	-5.787	10.1250	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6375.9306	-4.537	10.1250	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6375.9306	-6.368	10.1250	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6375.9306	-5.142	10.1250	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6376.9718	-5.203	10.1254	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6376.9718	-4.971	10.1254	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6376.9718	-5.066	10.1254	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6376.9718	-4.997	10.1254	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6376.9718	-5.763	10.1254	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6376.9718	-5.340	10.1254	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6377.0775	-6.513	10.1926	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6377.0775	-5.453	10.1926	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6377.0775	-6.299	10.1926	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6377.0775	-5.729	10.1926	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6377.9156	-6.749	10.1256	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6377.9156	-5.062	10.1256	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6377.9156	-7.739	10.1256	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6377.9156	-5.235	10.1256	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6381.3924	-2.547	10.2103	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6381.3924	-1.628	10.2103	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6381.3924	-4.045	10.2103	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6381.3924	-1.860	10.2103	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6381.3924	-3.742	10.2103	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6381.3924	-2.562	10.2103	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.0361	-3.048	10.2105	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.0361	-2.169	10.2105	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.0361	-2.511	10.2105	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.0361	-2.227	10.2105	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.0361	-2.956	10.2105	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.0361	-2.902	10.2105	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.3416	-9.067	10.2106	4.0	12.1527	5.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.3416	-4.679	10.2106	4.0	12.1527	5.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).16f	K04

S 1	6382.3416	-7.864	10.2106	4.0	12.1527	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.3416	-5.121	10.2106	4.0	12.1527	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.3416	-6.873	10.2106	4.0	12.1527	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.3416	-5.991	10.2106	4.0	12.1527	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.4028	-3.352	10.2106	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.4028	-1.955	10.2106	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.4028	-3.601	10.2106	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.4028	-2.223	10.2106	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6382.8143	-6.757	9.9835	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6382.8143	-5.138	9.9835	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6382.8143	-6.813	9.9835	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6382.8143	-5.262	9.9835	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6385.8396	-8.670	10.1482	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6385.8396	-5.459	10.1482	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6389.3168	-3.272	10.0972	1.0	12.0371	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6389.3168	-2.316	10.0972	1.0	12.0371	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6389.3168	-3.364	10.0972	1.0	12.0371	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6389.3168	-2.708	10.0972	1.0	12.0371	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6389.3372	-8.443	10.1250	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6389.3372	-4.458	10.1250	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6389.3372	-5.922	10.1250	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6389.3372	-5.093	10.1250	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6389.3372	-6.389	10.1250	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6389.3372	-6.280	10.1250	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6390.3828	-5.582	10.1254	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6390.3828	-4.334	10.1254	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6390.3828	-6.501	10.1254	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6390.3828	-5.034	10.1254	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6390.7749	-6.113	10.1926	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6390.7749	-5.232	10.1926	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6391.3306	-5.756	10.1256	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6391.3306	-4.503	10.1256	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6391.5186	-4.430	10.0528	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6391.5186	-3.332	10.0528	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6391.5186	-4.004	10.0528	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6391.5186	-3.778	10.0528	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6391.5186	-4.535	10.0528	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6391.5186	-4.426	10.0528	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04

S 1	6392.4054	-4.977	10.0530	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6392.4054	-3.764	10.0530	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6392.4054	-5.381	10.0530	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6392.4054	-3.853	10.0530	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6392.4054	-4.885	10.0530	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6392.4054	-4.418	10.0530	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6392.6916	-6.501	9.9835	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6392.6916	-5.050	9.9835	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6393.3089	-4.434	10.0533	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6393.3089	-4.253	10.0533	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6393.3089	-5.725	10.0533	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6393.3089	-4.284	10.0533	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6394.2494	-5.366	10.2103	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6394.2494	-1.828	10.2103	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6394.2494	-2.989	10.2103	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6394.2494	-2.729	10.2103	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6394.2494	-4.743	10.2103	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6394.2494	-3.587	10.2103	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6394.8956	-2.524	10.2105	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6394.8956	-1.763	10.2105	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6394.8956	-3.213	10.2105	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6394.8956	-2.584	10.2105	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6395.2025	-7.172	10.2106	4.0	12.1488	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6395.2025	-6.609	10.2106	4.0	12.1488	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6395.2025	-7.690	10.2106	4.0	12.1488	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6395.2025	-7.225	10.2106	4.0	12.1488	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6395.2638	-2.557	10.2106	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6395.2638	-2.136	10.2106	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6397.5925	-9.746	10.1735	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6397.5925	-9.466	10.1735	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6397.6662	-8.778	10.1735	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6397.6662	-8.507	10.1735	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6397.6662	-9.387	10.1735	0.0	12.1109	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6397.6662	-8.638	10.1735	0.0	12.1109	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6397.6662	-9.246	10.1735	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6397.6662	-8.929	10.1735	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6400.8531	-6.191	10.1745	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6400.8531	-4.449	10.1745	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04

S 1	6400.8531	-6.528	10.1745	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6400.8531	-4.777	10.1745	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6400.8531	-7.347	10.1745	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6400.8531	-5.519	10.1745	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6401.5498	-5.502	10.1747	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6401.5498	-5.066	10.1747	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6401.5498	-5.166	10.1747	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6401.5498	-5.095	10.1747	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6401.5498	-5.640	10.1747	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6401.5498	-5.347	10.1747	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6402.5748	-2.921	10.0972	1.0	12.0331	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6402.5748	-2.582	10.0972	1.0	12.0331	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6403.1161	-7.580	10.1751	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6403.1161	-5.121	10.1751	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6403.1161	-5.511	10.1751	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6403.1161	-5.300	10.1751	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6404.8678	-6.995	10.0528	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6404.8678	-3.593	10.0528	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6404.8678	-6.460	10.0528	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6404.8678	-4.241	10.0528	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6404.8678	-5.347	10.0528	3.0	11.9880	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6404.8678	-5.190	10.0528	3.0	11.9880	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6405.7583	-3.844	10.0530	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6405.7583	-3.686	10.0530	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6405.7583	-6.819	10.0530	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6405.7583	-4.238	10.0530	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6406.0087	-3.678	10.2103	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6406.0087	-2.751	10.2103	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6406.0087	-5.347	10.2103	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6406.0087	-2.966	10.2103	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6406.0087	-5.218	10.2103	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6406.0087	-3.712	10.2103	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6406.6573	-4.153	10.2105	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6406.6573	-3.253	10.2105	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6406.6573	-3.646	10.2105	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6406.6573	-3.351	10.2105	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6406.6573	-4.188	10.2105	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6406.6573	-4.170	10.2105	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04

S 1	6406.6656	-4.568	10.0533	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6406.6656	-3.643	10.0533	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6406.9653	-9.759	10.2106	4.0	12.1452	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6406.9653	-6.323	10.2106	4.0	12.1452	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6406.9653	-8.170	10.2106	4.0	12.1452	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6406.9653	-7.166	10.2106	4.0	12.1452	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6407.0269	-4.372	10.2106	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6407.0269	-3.115	10.2106	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6407.0269	-4.538	10.2106	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6407.0269	-3.403	10.2106	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6410.1861	-9.653	10.1735	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6410.1861	-8.318	10.1735	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6410.2601	-9.319	10.1735	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6410.2601	-8.472	10.1735	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6410.2601	-9.792	10.1735	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6410.2601	-9.140	10.1735	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6413.4595	-6.462	10.1745	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6413.4595	-4.277	10.1745	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6413.4595	-6.850	10.1745	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6413.4595	-5.032	10.1745	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6413.4595	-5.705	10.1745	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6413.4595	-5.576	10.1745	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6414.1590	-6.677	10.1747	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6414.1590	-3.745	10.1747	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6414.1590	-6.714	10.1747	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6414.1590	-4.748	10.1747	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6414.3113	-7.105	10.1926	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6414.3113	-5.611	10.1926	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6414.3113	-7.281	10.1926	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6414.3113	-5.762	10.1926	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6415.7314	-8.642	10.1751	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6415.7314	-4.460	10.1751	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6418.9240	-6.104	10.2103	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6418.9240	-2.980	10.2103	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6418.9240	-4.146	10.2103	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6418.9240	-3.748	10.2103	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6418.9240	-8.412	10.2103	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6418.9240	-4.967	10.2103	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).15f	K04

S 1	6419.5752	-3.659	10.2105	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6419.5752	-2.891	10.2105	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6419.5752	-4.429	10.2105	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6419.5752	-3.646	10.2105	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6419.8844	-8.373	10.2106	4.0	12.1413	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6419.8844	-7.686	10.2106	4.0	12.1413	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6419.8844	-8.965	10.2106	4.0	12.1413	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6419.8844	-8.845	10.2106	4.0	12.1413	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6419.9462	-3.613	10.2106	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6419.9462	-3.298	10.2106	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6427.6733	-7.001	10.1926	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6427.6733	-5.370	10.1926	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6435.6178	-4.423	10.2103	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6435.6178	-3.391	10.2103	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6435.6178	-5.937	10.2103	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6435.6178	-3.582	10.2103	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6435.6178	-4.403	10.2103	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6435.6178	-4.263	10.2103	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6436.2725	-4.097	10.2105	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6436.2725	-3.630	10.2105	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6436.2725	-4.289	10.2105	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6436.2725	-3.991	10.2105	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6436.2725	-4.911	10.2105	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6436.2725	-4.633	10.2105	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6436.5833	-9.001	10.2106	4.0	12.1363	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6436.5833	-8.003	10.2106	4.0	12.1363	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6436.6454	-6.028	10.2106	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6436.6454	-3.940	10.2106	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6436.6454	-5.249	10.2106	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6436.6454	-4.463	10.2106	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6448.1662	-4.115	10.2365	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6448.1662	-3.738	10.2365	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6448.1662	-5.810	10.2365	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6448.1662	-3.878	10.2365	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6448.1662	-5.494	10.2365	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6448.1662	-4.541	10.2365	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6448.8733	-5.708	10.2367	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6448.8733	-4.258	10.2367	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04

S 1	6448.8733	-4.634	10.2367	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6448.8733	-4.518	10.2367	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6448.8733	-5.066	10.2367	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6448.8733	-4.732	10.2367	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6449.2062	-5.359	10.2368	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6449.2062	-4.220	10.2368	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6449.2062	-6.341	10.2368	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6449.2062	-4.352	10.2368	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6449.5681	-6.568	10.2103	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6449.5681	-3.676	10.2103	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6449.5681	-4.779	10.2103	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6449.5681	-4.433	10.2103	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6449.5681	-5.909	10.2103	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6449.5681	-5.252	10.2103	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6450.2256	-4.528	10.2105	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6450.2256	-3.550	10.2105	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6450.2256	-4.744	10.2105	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6450.2256	-4.739	10.2105	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6450.5378	-9.178	10.2106	4.0	12.1322	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6450.5378	-8.288	10.2106	4.0	12.1322	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6450.5378	-9.581	10.2106	4.0	12.1322	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6450.5378	-9.556	10.2106	4.0	12.1322	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6450.6002	-5.352	10.2106	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6450.6002	-3.790	10.2106	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6452.7361	-9.396	10.1482	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6452.7361	-5.415	10.1482	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6452.7361	-6.784	10.1482	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6452.7361	-5.493	10.1482	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6457.0539	-9.508	10.1735	4.0	12.0931	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6457.0539	-8.239	10.1735	4.0	12.0931	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6457.0539	-8.816	10.1735	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6457.0539	-8.324	10.1735	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6460.3754	-8.987	10.1745	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6460.3754	-5.408	10.1745	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6460.3754	-7.005	10.1745	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6460.3754	-5.772	10.1745	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6460.3754	-6.885	10.1745	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6460.3754	-6.390	10.1745	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04



S 1	6461.0852	-8.541	10.1747	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6461.0852	-6.096	10.1747	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6461.0852	-7.090	10.1747	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6461.0852	-7.049	10.1747	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6461.0852	-8.355	10.1747	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6461.0852	-8.177	10.1747	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6461.3357	-9.787	10.2365	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6461.3357	-3.540	10.2365	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6461.3357	-4.785	10.2365	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6461.3357	-4.141	10.2365	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6461.3357	-5.964	10.2365	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6461.3357	-4.983	10.2365	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6461.4485	-7.230	10.1926	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6461.4485	-5.893	10.1926	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6461.4485	-6.679	10.1926	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6461.4485	-6.668	10.1926	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6462.0457	-3.682	10.2367	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6462.0457	-3.630	10.2367	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6462.0457	-6.744	10.2367	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6462.0457	-4.160	10.2367	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6462.3799	-4.218	10.2368	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6462.3799	-4.093	10.2368	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6462.6807	-8.040	10.1751	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6462.6807	-6.905	10.1751	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6462.6807	-7.957	10.1751	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6462.6807	-7.230	10.1751	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6465.8950	-2.593	10.2417	3.0	12.1587	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6465.8950	-2.297	10.2417	3.0	12.1587	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6465.8950	-2.986	10.2417	3.0	12.1587	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6465.8950	-2.585	10.2417	3.0	12.1587	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6465.8950	-4.052	10.2417	3.0	12.1587	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6465.8950	-3.284	10.2417	3.0	12.1587	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6466.4680	-9.213	10.1482	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6466.4680	-5.658	10.1482	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6468.0244	-8.980	10.1208	4.0	12.0371	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.0244	-7.691	10.1208	4.0	12.0371	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.0244	-9.293	10.1208	4.0	12.0371	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.0244	-8.210	10.1208	4.0	12.0371	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04

S 1	6468.0788	-7.112	10.1208	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.0788	-6.994	10.1208	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.0788	-7.518	10.1208	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.0788	-7.196	10.1208	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.0788	-8.413	10.1208	0.0	12.0371	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.0788	-8.270	10.1208	0.0	12.0371	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.0788	-9.026	10.1208	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.0788	-8.373	10.1208	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.0788	-9.223	10.1208	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.0788	-9.072	10.1208	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.1164	-8.258	10.1208	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.1164	-7.616	10.1208	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.1164	-7.980	10.1208	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.1164	-7.788	10.1208	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.1164	-9.449	10.1208	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.1164	-8.407	10.1208	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6468.5684	-2.498	10.2365	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6468.5684	-1.886	10.2365	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6468.5684	-5.385	10.2365	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6468.5684	-2.105	10.2365	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6468.5684	-3.813	10.2365	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6468.5684	-2.868	10.2365	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6469.2800	-3.699	10.2367	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6469.2800	-2.434	10.2367	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6469.2800	-2.677	10.2367	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6469.2800	-2.673	10.2367	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6469.2800	-3.307	10.2367	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6469.2800	-3.151	10.2367	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6469.6149	-3.468	10.2368	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6469.6149	-2.381	10.2368	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6469.6149	-4.937	10.2368	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6469.6149	-2.586	10.2368	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6470.1760	-9.413	10.1735	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6470.1760	-8.093	10.1735	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6470.2514	-8.999	10.1735	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6470.2514	-8.907	10.1735	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6470.2514	-9.974	10.1735	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6470.2514	-9.208	10.1735	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).11f	K04

S 1	6473.5110	-7.111	10.1745	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6473.5110	-5.616	10.1745	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6473.5110	-5.939	10.1745	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6473.5110	-5.872	10.1745	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6473.5110	-6.922	10.1745	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6473.5110	-6.181	10.1745	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6473.5403	-6.535	10.2103	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6473.5403	-4.026	10.2103	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6473.5403	-5.423	10.2103	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6473.5403	-4.072	10.2103	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6473.5403	-9.565	10.2103	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6473.5403	-5.123	10.2103	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6474.2027	-5.308	10.2105	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6474.2027	-4.620	10.2105	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6474.2027	-5.215	10.2105	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6474.2027	-4.704	10.2105	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6474.2027	-5.644	10.2105	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6474.2027	-5.433	10.2105	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6474.2237	-6.300	10.1747	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6474.2237	-5.407	10.1747	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6474.2237	-6.144	10.1747	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6474.2237	-6.088	10.1747	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6474.2950	-7.205	10.1926	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6474.2950	-5.513	10.1926	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6474.5172	-9.875	10.2106	4.0	12.1250	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6474.5172	-9.438	10.2106	4.0	12.1250	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6474.5801	-6.035	10.2106	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6474.5801	-4.279	10.2106	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6474.5801	-6.346	10.2106	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6474.5801	-4.634	10.2106	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6474.8359	-9.398	10.0777	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6474.8359	-9.184	10.0777	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6474.8359	-9.585	10.0777	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6474.8359	-9.214	10.0777	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6475.8257	-7.091	10.1751	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6475.8257	-5.912	10.1751	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6479.1371	-3.999	10.2417	3.0	12.1548	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6479.1371	-2.080	10.2417	3.0	12.1548	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).17f	K04

S 1	6479.1371	-3.559	10.2417	3.0	12.1548	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6479.1371	-2.862	10.2417	3.0	12.1548	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6479.1371	-4.832	10.2417	3.0	12.1548	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6479.1371	-3.834	10.2417	3.0	12.1548	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6481.6113	-9.611	10.1208	4.0	12.0331	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6481.6113	-9.077	10.1208	4.0	12.0331	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6481.6660	-8.625	10.1208	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6481.6660	-6.684	10.1208	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6481.6660	-7.584	10.1208	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6481.6660	-7.231	10.1208	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6481.6660	-9.799	10.1208	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6481.6660	-7.366	10.1208	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6481.6660	-8.937	10.1208	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6481.6660	-8.628	10.1208	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6481.7038	-7.280	10.1208	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6481.7038	-6.773	10.1208	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6481.7794	-5.910	10.2365	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6481.7794	-1.886	10.2365	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6481.7794	-3.072	10.2365	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6481.7794	-2.766	10.2365	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6481.7794	-4.779	10.2365	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6481.7794	-3.663	10.2365	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6482.4309	-4.716	10.1250	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6482.4309	-3.882	10.1250	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6482.4309	-4.977	10.1250	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6482.4309	-4.240	10.1250	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6482.4309	-7.134	10.1250	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6482.4309	-4.633	10.1250	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6482.4939	-2.217	10.2367	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6482.4939	-1.863	10.2367	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6482.4939	-4.341	10.2367	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6482.4939	-2.593	10.2367	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6482.8302	-2.402	10.2368	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6482.8302	-2.328	10.2368	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6483.5071	-4.908	10.1254	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6483.5071	-4.421	10.1254	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6483.5071	-4.709	10.1254	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6483.5071	-4.704	10.1254	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04

S 1	6483.5071	-5.333	10.1254	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6483.5071	-4.867	10.1254	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6484.4828	-6.938	10.1256	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6484.4828	-4.697	10.1256	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6484.4828	-7.245	10.1256	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6484.4828	-4.857	10.1256	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6486.4097	-1.147	10.2417	3.0	12.1527	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6486.4097	-0.847	10.2417	3.0	12.1527	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6486.4097	-1.538	10.2417	3.0	12.1527	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6486.4097	-1.135	10.2417	3.0	12.1527	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6486.4097	-2.533	10.2417	3.0	12.1527	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6486.4097	-1.751	10.2417	3.0	12.1527	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6487.1505	-6.846	10.2103	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6487.1505	-4.518	10.2103	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6487.1505	-5.520	10.2103	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6487.1505	-5.231	10.2103	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6487.1505	-9.921	10.2103	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6487.1505	-6.041	10.2103	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6487.8157	-6.129	10.2105	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6487.8157	-4.304	10.2105	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6487.8157	-5.925	10.2105	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6487.8157	-5.194	10.2105	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6488.1946	-6.080	10.2106	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6488.1946	-4.522	10.2106	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6493.8632	-3.691	10.2365	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6493.8632	-3.025	10.2365	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6493.8632	-6.672	10.2365	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6493.8632	-3.229	10.2365	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6493.8632	-5.387	10.2365	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6493.8632	-4.040	10.2365	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6493.8674	-7.371	10.0833	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6493.8674	-5.287	10.0833	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6493.8674	-6.323	10.0833	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6493.8674	-5.445	10.0833	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6494.5804	-4.742	10.2367	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6494.5804	-3.532	10.2367	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6494.5804	-3.843	10.2367	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6494.5804	-3.786	10.2367	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04

S 1	6494.5804	-4.617	10.2367	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6494.5804	-4.456	10.2367	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6494.9179	-4.583	10.2368	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6494.9179	-3.600	10.2368	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6494.9179	-5.755	10.2368	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6494.9179	-3.814	10.2368	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6495.4032	-9.053	9.9179	4.0	11.8262	5.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.4032	-5.823	9.9179	4.0	11.8262	5.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.4032	-8.546	9.9179	4.0	11.8262	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.4032	-6.337	9.9179	4.0	11.8262	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.4032	-7.603	9.9179	4.0	11.8262	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.4032	-7.396	9.9179	4.0	11.8262	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.4750	-7.300	9.9179	3.0	11.8262	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.4750	-6.419	9.9179	3.0	11.8262	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.4750	-6.961	9.9179	3.0	11.8262	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.4750	-6.861	9.9179	3.0	11.8262	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.4750	-7.533	9.9179	3.0	11.8262	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.4750	-7.525	9.9179	3.0	11.8262	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.5281	-6.885	9.9179	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.5281	-5.978	9.9179	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.5281	-6.765	9.9179	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.5281	-6.181	9.9179	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.5509	-9.673	9.9179	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.5509	-5.890	9.9179	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.5509	-7.308	9.9179	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.5509	-6.097	9.9179	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.5509	-8.086	9.9179	2.0	11.8262	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.5509	-6.684	9.9179	2.0	11.8262	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.5552	-7.863	9.9179	0.0	11.8262	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6495.5552	-5.995	9.9179	0.0	11.8262	1.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6496.0785	-8.073	10.1250	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6496.0785	-4.067	10.1250	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6496.0785	-7.024	10.1250	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6496.0785	-4.761	10.1250	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6496.0785	-6.001	10.1250	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6496.0785	-5.271	10.1250	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6497.1593	-4.595	10.1254	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6497.1593	-4.036	10.1254	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).9f	K04

S 1	6497.1593	-6.936	10.1254	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6497.1593	-4.670	10.1254	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6498.1391	-5.349	10.1256	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6498.1391	-4.138	10.1256	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6499.6938	-2.278	10.2417	3.0	12.1488	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6499.6938	-0.688	10.2417	3.0	12.1488	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6499.6938	-2.016	10.2417	3.0	12.1488	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6499.6938	-1.423	10.2417	3.0	12.1488	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6499.6938	-3.245	10.2417	3.0	12.1488	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6499.6938	-2.527	10.2417	3.0	12.1488	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6507.1355	-8.325	10.2365	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6507.1355	-3.085	10.2365	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6507.1355	-4.282	10.2365	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6507.1355	-3.848	10.2365	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6507.1355	-5.900	10.2365	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6507.1355	-5.195	10.2365	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6507.6480	-7.162	10.0833	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6507.6480	-5.223	10.0833	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6507.8556	-3.442	10.2367	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6507.8556	-3.039	10.2367	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6507.8556	-5.623	10.2367	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6507.8556	-3.771	10.2367	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6508.1945	-3.545	10.2368	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6508.1945	-3.503	10.2368	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6509.9109	-8.504	9.9179	4.0	11.8219	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6509.9109	-8.064	9.9179	4.0	11.8219	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6509.9109	-9.774	9.9179	4.0	11.8219	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6509.9109	-9.391	9.9179	4.0	11.8219	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6509.9830	-8.166	9.9179	3.0	11.8219	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6509.9830	-6.871	9.9179	3.0	11.8219	4.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6509.9830	-9.417	9.9179	3.0	11.8219	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6509.9830	-7.586	9.9179	3.0	11.8219	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6509.9830	-9.367	9.9179	3.0	11.8219	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6509.9830	-9.046	9.9179	3.0	11.8219	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6510.0364	-6.081	9.9179	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6510.0364	-5.692	9.9179	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6510.0593	-8.896	9.9179	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6510.0593	-5.763	9.9179	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04

S 1	6510.0593	-6.782	9.9179	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6510.0593	-6.362	9.9179	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).6d 5D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6511.8445	-2.464	10.2417	3.0	12.1452	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6511.8445	-2.199	10.2417	3.0	12.1452	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6511.8445	-2.827	10.2417	3.0	12.1452	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6511.8445	-2.491	10.2417	3.0	12.1452	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6511.8445	-5.058	10.2417	3.0	12.1452	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6511.8445	-3.060	10.2417	3.0	12.1452	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6515.9572	-5.602	10.2565	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6515.9572	-3.455	10.2565	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6515.9572	-4.497	10.2565	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6515.9572	-3.685	10.2565	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6515.9572	-6.659	10.2565	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6515.9572	-4.185	10.2565	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6516.5519	-5.417	10.2566	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6516.5519	-4.362	10.2566	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6516.5519	-6.228	10.2566	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6516.5519	-4.498	10.2566	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6516.5816	-3.253	9.7566	2.0	11.6587	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6516.5816	-2.282	9.7566	2.0	11.6587	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6516.5816	-3.191	9.7566	2.0	11.6587	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6516.5816	-2.332	9.7566	2.0	11.6587	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6516.5816	-3.965	9.7566	2.0	11.6587	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6516.5816	-2.829	9.7566	2.0	11.6587	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6516.7218	-4.672	10.2567	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6516.7218	-3.983	10.2567	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6516.7218	-4.601	10.2567	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6516.7218	-4.109	10.2567	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6516.7218	-4.768	10.2567	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6516.7218	-4.635	10.2567	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6516.7643	-3.424	9.7566	3.0	11.6587	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6516.7643	-1.790	9.7566	3.0	11.6587	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6516.7643	-2.888	9.7566	3.0	11.6587	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6516.7643	-2.057	9.7566	3.0	11.6587	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6516.7643	-3.078	9.7566	3.0	11.6587	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6516.7643	-2.905	9.7566	3.0	11.6587	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6517.0744	-3.230	9.7567	1.0	11.6587	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6517.0744	-2.798	9.7567	1.0	11.6587	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04



S 1	6517.0744	-3.304	9.7567	1.0	11.6587	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6517.0744	-2.877	9.7567	1.0	11.6587	1.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6521.5553	-5.946	10.2103	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6521.5553	-5.678	10.2103	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6521.5553	-6.381	10.2103	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6521.5553	-6.173	10.2103	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6521.5553	-8.568	10.2103	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6521.5553	-7.245	10.2103	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6522.1084	-7.998	10.1926	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6522.1084	-5.528	10.1926	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6522.2276	-6.574	10.2105	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6522.2276	-4.972	10.2105	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6522.2276	-6.298	10.2105	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6522.2276	-6.084	10.2105	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6522.2276	-7.092	10.2105	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6522.2276	-6.086	10.2105	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6522.5467	-9.640	10.2106	4.0	12.1109	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6522.5467	-8.037	10.2106	4.0	12.1109	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6522.5467	-9.889	10.2106	4.0	12.1109	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6522.5467	-9.515	10.2106	4.0	12.1109	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6522.6105	-5.822	10.2106	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6522.6105	-5.299	10.2106	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6522.6105	-6.799	10.2106	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6522.6105	-5.626	10.2106	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6524.2920	-4.558	10.2365	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6524.2920	-3.694	10.2365	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6524.2920	-7.271	10.2365	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6524.2920	-3.874	10.2365	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6524.2920	-4.777	10.2365	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6524.2920	-4.371	10.2365	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6525.0159	-4.357	10.2367	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6525.0159	-3.965	10.2367	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6525.0159	-4.545	10.2367	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6525.0159	-4.391	10.2367	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6525.0159	-5.391	10.2367	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6525.0159	-5.022	10.2367	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6525.1905	-3.602	10.2417	3.0	12.1413	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6525.1905	-2.050	10.2417	3.0	12.1413	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).15f	K04

S 1	6525.1905	-3.495	10.2417	3.0	12.1413	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6525.1905	-2.788	10.2417	3.0	12.1413	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6525.1905	-6.215	10.2417	3.0	12.1413	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6525.1905	-4.272	10.2417	3.0	12.1413	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6525.3566	-5.534	10.2368	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6525.3566	-4.413	10.2368	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6525.3566	-6.308	10.2368	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6525.3566	-5.900	10.2368	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6529.4054	-5.838	10.2565	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6529.4054	-5.034	10.2565	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6529.4054	-5.748	10.2565	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6529.4054	-5.220	10.2565	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6529.4054	-5.933	10.2565	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6529.4054	-5.527	10.2565	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6530.0025	-4.289	10.2566	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6530.0025	-4.190	10.2566	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6530.1731	-6.482	10.2567	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6530.1731	-3.944	10.2567	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6530.1731	-4.774	10.2567	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6530.1731	-4.678	10.2567	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6531.9950	-2.522	9.7566	2.0	11.6542	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6531.9950	-2.088	9.7566	2.0	11.6542	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6531.9950	-4.588	9.7566	2.0	11.6542	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6531.9950	-2.705	9.7566	2.0	11.6542	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6532.1785	-4.848	9.7566	3.0	11.6542	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6532.1785	-2.148	9.7566	3.0	11.6542	4.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6532.1785	-3.782	9.7566	3.0	11.6542	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6532.1785	-2.924	9.7566	3.0	11.6542	3.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6532.1785	-4.281	9.7566	3.0	11.6542	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6532.1785	-4.016	9.7566	3.0	11.6542	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6532.4901	-3.812	9.7567	1.0	11.6542	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6532.4901	-2.043	9.7567	1.0	11.6542	2.0	LS 3s2.3p3.(4S*).5d 3D*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6534.6421	-8.531	10.2103	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6534.6421	-4.303	10.2103	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6534.6421	-7.063	10.2103	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6534.6421	-5.946	10.2103	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6534.6421	-9.076	10.2103	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6534.6421	-7.569	10.2103	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).12f	K04

S 1	6535.3171	-5.350	10.2105	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6535.3171	-3.807	10.2105	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6535.3171	-6.961	10.2105	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6535.3171	-5.504	10.2105	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6535.4965	-8.150	10.1926	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6535.4965	-5.594	10.1926	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6535.7016	-6.382	10.2106	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6535.7016	-4.170	10.2106	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6536.7914	-5.064	10.2565	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6536.7914	-1.828	10.2565	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6536.7914	-2.990	10.2565	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6536.7914	-2.091	10.2565	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6536.7914	-5.237	10.2565	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6536.7914	-2.707	10.2565	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6537.3898	-3.683	10.2566	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6537.3898	-2.636	10.2566	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6537.3898	-5.790	10.2566	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6537.3898	-2.831	10.2566	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6537.5608	-2.924	10.2567	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6537.5608	-2.361	10.2567	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6537.5608	-3.080	10.2567	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6537.5608	-2.448	10.2567	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6537.5608	-3.275	10.2567	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6537.5608	-3.168	10.2567	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6538.6298	-7.465	10.2365	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6538.6298	-3.883	10.2365	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6538.6298	-5.013	10.2365	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6538.6298	-4.632	10.2365	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6538.6298	-5.942	10.2365	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6538.6298	-5.652	10.2365	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6538.8607	-9.267	10.1735	4.0	12.0691	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.8607	-7.486	10.1735	4.0	12.0691	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.8607	-8.206	10.1735	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.8607	-7.772	10.1735	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.8607	-8.639	10.1735	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.8607	-8.431	10.1735	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.8607	-9.932	10.1735	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.8607	-9.185	10.1735	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04

S 1	6538.9377	-9.638	10.1735	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.9377	-8.270	10.1735	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.9377	-9.584	10.1735	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.9377	-8.441	10.1735	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.9377	-8.656	10.1735	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.9377	-8.492	10.1735	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.9377	-8.622	10.1735	0.0	12.0691	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.9377	-8.582	10.1735	0.0	12.0691	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.9377	-9.843	10.1735	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6538.9377	-8.707	10.1735	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6539.3569	-4.474	10.2367	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6539.3569	-3.774	10.2367	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6539.3569	-5.180	10.2367	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6539.3569	-4.840	10.2367	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6539.6991	-4.770	10.2368	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6539.6991	-3.968	10.2368	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6541.2395	-2.567	10.0972	1.0	11.9921	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6541.2395	-2.088	10.0972	1.0	11.9921	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6541.2395	-3.106	10.0972	1.0	11.9921	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6541.2395	-2.337	10.0972	1.0	11.9921	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6542.2669	-4.746	10.1745	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6542.2669	-3.990	10.1745	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6542.2669	-5.422	10.1745	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6542.2669	-4.221	10.1745	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6542.2669	-6.093	10.1745	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6542.2669	-4.821	10.1745	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6542.4424	-4.188	10.2417	3.0	12.1363	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6542.4424	-2.920	10.2417	3.0	12.1363	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6542.4424	-3.646	10.2417	3.0	12.1363	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6542.4424	-3.518	10.2417	3.0	12.1363	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6542.4424	-3.911	10.2417	3.0	12.1363	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6542.4424	-3.768	10.2417	3.0	12.1363	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6542.9948	-4.798	10.1747	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6542.9948	-4.655	10.1747	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6542.9948	-4.865	10.1747	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6542.9948	-4.680	10.1747	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6542.9948	-5.462	10.1747	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6542.9948	-5.006	10.1747	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04

S 1	6544.6310	-6.592	10.1751	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6544.6310	-4.762	10.1751	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6544.6310	-7.268	10.1751	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6544.6310	-4.939	10.1751	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6550.2828	-4.227	10.2565	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6550.2828	-2.984	10.2565	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6550.2828	-4.239	10.2565	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6550.2828	-3.988	10.2565	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6550.2828	-8.448	10.2565	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6550.2828	-4.702	10.2565	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6550.8837	-2.591	10.2566	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6550.8837	-2.555	10.2566	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6551.0554	-6.024	10.2567	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6551.0554	-2.291	10.2567	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6551.0554	-3.301	10.2567	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6551.0554	-3.053	10.2567	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6552.9620	-8.797	10.1735	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6552.9620	-7.652	10.1735	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6552.9620	-9.693	10.1735	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6552.9620	-8.559	10.1735	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6552.9620	-9.970	10.1735	4.0	12.0650	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6552.9620	-9.343	10.1735	4.0	12.0650	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6553.0393	-8.486	10.1735	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6553.0393	-8.337	10.1735	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6555.2221	-2.645	10.0972	1.0	11.9880	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6555.2221	-2.116	10.0972	1.0	11.9880	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6556.3829	-8.186	10.1745	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6556.3829	-4.108	10.1745	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6556.3829	-5.582	10.1745	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6556.3829	-4.750	10.1745	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6556.3829	-5.957	10.1745	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6556.3829	-5.683	10.1745	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6556.8602	-4.638	10.2417	3.0	12.1322	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6556.8602	-3.447	10.2417	3.0	12.1322	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6556.8602	-5.100	10.2417	3.0	12.1322	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6556.8602	-4.183	10.2417	3.0	12.1322	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6556.8602	-6.322	10.2417	3.0	12.1322	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6556.8602	-4.238	10.2417	3.0	12.1322	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).14f	K04

S 1	6557.1139	-5.304	10.1747	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6557.1139	-3.987	10.1747	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6557.1139	-6.049	10.1747	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6557.1139	-4.670	10.1747	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6558.7572	-5.471	10.1751	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6558.7572	-4.173	10.1751	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6561.8396	-8.087	10.1482	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6561.8396	-5.453	10.1482	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6561.8396	-6.312	10.1482	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6561.8396	-5.605	10.1482	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6562.6236	-6.115	10.2565	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6562.6236	-3.063	10.2565	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6562.6236	-4.378	10.2565	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6562.6236	-3.299	10.2565	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6562.6236	-5.913	10.2565	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6562.6236	-3.988	10.2565	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6563.2268	-4.875	10.2566	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6563.2268	-3.921	10.2566	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6563.2268	-6.397	10.2566	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6563.2268	-4.133	10.2566	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6563.2698	-6.514	10.2365	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6563.2698	-4.349	10.2365	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6563.2698	-6.502	10.2365	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6563.2698	-4.503	10.2365	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6563.2698	-7.899	10.2365	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6563.2698	-5.706	10.2365	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6563.3991	-4.129	10.2567	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6563.3991	-3.604	10.2567	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6563.3991	-4.255	10.2567	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6563.3991	-3.610	10.2567	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6563.3991	-4.636	10.2567	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6563.3991	-4.387	10.2567	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6564.0024	-6.040	10.2367	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6564.0024	-4.971	10.2367	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6564.0024	-5.668	10.2367	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6564.0024	-5.080	10.2367	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6564.0024	-6.255	10.2367	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6564.0024	-6.009	10.2367	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04

S 1	6564.3472	-7.149	10.2368	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6564.3472	-4.876	10.2368	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6564.3472	-6.068	10.2368	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6564.3472	-5.280	10.2368	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6569.8259	-5.863	10.2721	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6569.8259	-3.698	10.2721	3.0	12.1587	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6569.8259	-5.045	10.2721	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6569.8259	-3.914	10.2721	3.0	12.1587	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6569.8259	-6.106	10.2721	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6569.8259	-4.374	10.2721	3.0	12.1587	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6570.3872	-4.795	10.2722	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6570.3872	-4.200	10.2722	2.0	12.1587	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6570.3872	-4.833	10.2722	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6570.3872	-4.310	10.2722	2.0	12.1587	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6570.3872	-5.519	10.2722	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6570.3872	-4.506	10.2722	1.0	12.1587	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6570.3872	-5.999	10.2722	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6570.3872	-4.645	10.2722	1.0	12.1587	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6570.3872	-4.951	10.2722	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6570.3872	-4.664	10.2722	2.0	12.1587	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).17f	K04
S 1	6575.8240	-9.402	10.1482	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6575.8240	-5.365	10.1482	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6576.1787	-5.456	10.2565	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6576.1787	-4.049	10.2565	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6576.1787	-5.028	10.2565	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6576.1787	-4.837	10.2565	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6576.1787	-6.656	10.2565	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6576.1787	-5.150	10.2565	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6576.5940	-3.377	9.9414	3.0	11.8262	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6576.5940	-1.896	9.9414	3.0	11.8262	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6576.5940	-2.781	9.9414	3.0	11.8262	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6576.5940	-2.218	9.9414	3.0	11.8262	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6576.5940	-3.277	9.9414	3.0	11.8262	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6576.5940	-2.948	9.9414	3.0	11.8262	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6576.7844	-3.836	10.2566	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6576.7844	-3.755	10.2566	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6576.9575	-5.854	10.2567	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6576.9575	-3.465	10.2567	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).15f	K04

S 1	6576.9575	-4.390	10.2567	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6576.9575	-4.369	10.2567	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6577.2604	-7.133	10.2365	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6577.2604	-5.258	10.2365	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6577.2604	-6.239	10.2365	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6577.2604	-5.839	10.2365	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6577.2604	-6.397	10.2365	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6577.2604	-6.225	10.2365	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6577.3166	-3.624	9.9416	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6577.3166	-2.352	9.9416	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6577.3166	-3.188	9.9416	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6577.3166	-2.459	9.9416	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6577.3166	-3.795	9.9416	2.0	11.8262	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6577.3166	-2.963	9.9416	2.0	11.8262	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6577.9961	-6.108	10.2367	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6577.9961	-4.906	10.2367	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6577.9961	-7.545	10.2367	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6577.9961	-5.700	10.2367	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6578.0826	-3.398	9.9419	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6578.0826	-2.801	9.9419	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6578.0826	-3.613	9.9419	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6578.0826	-2.938	9.9419	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6578.3423	-6.815	10.2368	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6578.3423	-4.835	10.2368	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6581.6381	-4.228	10.2417	3.0	12.1250	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6581.6381	-3.587	10.2417	3.0	12.1250	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6581.6381	-6.365	10.2417	3.0	12.1250	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6581.6381	-3.942	10.2417	3.0	12.1250	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6581.6381	-6.504	10.2417	3.0	12.1250	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6581.6381	-5.410	10.2417	3.0	12.1250	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6581.9285	-6.989	10.0422	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9285	-5.724	10.0422	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9285	-6.432	10.0422	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9285	-6.143	10.0422	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9285	-7.162	10.0422	3.0	11.9254	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9285	-6.783	10.0422	3.0	11.9254	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9285	-9.388	10.0422	4.0	11.9254	5.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9285	-7.792	10.0422	4.0	11.9254	5.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04



S 1	6581.9848	-6.616	10.0423	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9848	-6.590	10.0423	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9848	-8.068	10.0423	0.0	11.9254	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9848	-6.629	10.0423	0.0	11.9254	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9848	-7.436	10.0423	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9848	-6.776	10.0423	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9848	-9.205	10.0423	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9848	-6.777	10.0423	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9848	-7.570	10.0423	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9848	-6.933	10.0423	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9848	-8.286	10.0423	2.0	11.9254	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6581.9848	-7.614	10.0423	2.0	11.9254	1.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6583.3545	-4.857	10.2103	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6583.3545	-4.439	10.2103	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6583.3545	-5.785	10.2103	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6583.3545	-4.645	10.2103	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6583.3545	-6.069	10.2103	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6583.3545	-4.749	10.2103	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6583.4975	-6.510	10.2721	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6583.4975	-4.471	10.2721	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6583.4975	-5.552	10.2721	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6583.4975	-4.956	10.2721	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6583.4975	-5.478	10.2721	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6583.4975	-5.212	10.2721	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6584.0395	-5.446	10.2105	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6584.0395	-5.075	10.2105	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6584.0395	-5.325	10.2105	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6584.0395	-5.204	10.2105	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6584.0395	-5.929	10.2105	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6584.0395	-5.225	10.2105	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6584.0612	-5.812	10.2722	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6584.0612	-4.044	10.2722	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6584.0612	-4.423	10.2722	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6584.0612	-4.313	10.2722	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6584.0612	-4.885	10.2722	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6584.0612	-4.748	10.2722	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6584.3647	-9.380	10.2106	4.0	12.0931	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6584.3647	-7.376	10.2106	4.0	12.0931	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).11f	K04

S 1	6584.3647	-9.537	10.2106	4.0	12.0931	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6584.3647	-8.359	10.2106	4.0	12.0931	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6584.4298	-5.529	10.2106	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6584.4298	-5.144	10.2106	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6584.4298	-7.031	10.2106	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6584.4298	-5.282	10.2106	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6591.0064	-4.073	10.2721	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.0064	-2.125	10.2721	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.0064	-3.558	10.2721	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.0064	-2.376	10.2721	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.0064	-5.078	10.2721	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.0064	-3.065	10.2721	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.4671	-4.874	9.9414	3.0	11.8219	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6591.4671	-2.264	9.9414	3.0	11.8219	4.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6591.4671	-4.084	9.9414	3.0	11.8219	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6591.4671	-2.941	9.9414	3.0	11.8219	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6591.4671	-4.310	9.9414	3.0	11.8219	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6591.4671	-4.135	9.9414	3.0	11.8219	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6591.5714	-3.129	10.2722	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.5714	-2.640	10.2722	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.5714	-3.397	10.2722	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.5714	-2.680	10.2722	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.5714	-3.901	10.2722	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.5714	-2.849	10.2722	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.5714	-6.861	10.2722	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.5714	-3.043	10.2722	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.5714	-3.554	10.2722	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6591.5714	-3.430	10.2722	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6592.1929	-2.556	9.9416	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6592.1929	-2.235	9.9416	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6592.1929	-4.998	9.9416	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6592.1929	-2.802	9.9416	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6592.4320	-8.967	10.0422	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6592.4320	-6.901	10.0422	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6592.4320	-8.165	10.0422	3.0	11.9224	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6592.4320	-7.968	10.0422	3.0	11.9224	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6592.4885	-6.296	10.0423	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6592.4885	-5.707	10.0423	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).7f	K04

S 1	6592.4885	-8.161	10.0423	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6592.4885	-6.210	10.0423	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6592.4885	-7.477	10.0423	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6592.4885	-6.312	10.0423	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).7d 5D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6592.9624	-3.727	9.9419	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6592.9624	-2.171	9.9419	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).6d 3D*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6593.7017	-5.760	10.2565	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6593.7017	-4.002	10.2565	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6593.7017	-5.672	10.2565	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6593.7017	-4.169	10.2565	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6593.7017	-9.299	10.2565	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6593.7017	-5.079	10.2565	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6594.3106	-5.548	10.2566	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6594.3106	-4.829	10.2566	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6594.3106	-6.790	10.2566	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6594.3106	-5.692	10.2566	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6594.4846	-4.723	10.2567	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6594.4846	-3.729	10.2567	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6594.4846	-5.004	10.2567	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6594.4846	-4.552	10.2567	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6594.4846	-5.801	10.2567	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6594.4846	-5.652	10.2567	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6595.7071	-5.935	10.2417	3.0	12.1210	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6595.7071	-3.297	10.2417	3.0	12.1210	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6595.7071	-4.316	10.2417	3.0	12.1210	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6595.7071	-4.110	10.2417	3.0	12.1210	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6595.7071	-8.004	10.2417	3.0	12.1210	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6595.7071	-5.210	10.2417	3.0	12.1210	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6596.9954	-7.336	10.2103	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6596.9954	-4.306	10.2103	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6596.9954	-5.061	10.2103	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6596.9954	-4.912	10.2103	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6596.9954	-6.045	10.2103	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6596.9954	-5.562	10.2103	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6597.6833	-5.706	10.2105	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6597.6833	-4.176	10.2105	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6597.6833	-5.466	10.2105	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6597.6833	-5.036	10.2105	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).11f	K04

S 1	6598.0099	-9.523	10.2106	4.0	12.0892	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6598.0099	-9.415	10.2106	4.0	12.0892	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6598.0752	-5.839	10.2106	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6598.0752	-4.681	10.2106	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6604.7228	-4.957	10.2721	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6604.7228	-2.824	10.2721	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6604.7228	-3.954	10.2721	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6604.7228	-3.902	10.2721	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6604.7228	-7.008	10.2721	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6604.7228	-4.633	10.2721	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6605.2901	-4.377	10.2722	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6605.2901	-2.475	10.2722	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6605.2901	-2.803	10.2722	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6605.2901	-2.771	10.2722	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6605.2901	-3.433	10.2722	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6605.2901	-3.384	10.2722	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6605.5826	-8.136	10.1926	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6605.5826	-5.504	10.1926	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6605.5826	-6.621	10.1926	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6605.5826	-5.571	10.1926	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6608.3465	-6.410	10.2565	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6608.3465	-4.655	10.2565	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6608.3465	-5.624	10.2565	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6608.3465	-5.371	10.2565	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6608.3465	-6.187	10.2565	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6608.3465	-6.023	10.2565	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6608.9581	-5.061	10.2566	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6608.9581	-4.423	10.2566	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6609.1329	-5.986	10.2567	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6609.1329	-4.315	10.2567	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6609.1329	-6.313	10.2567	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6609.1329	-5.749	10.2567	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6612.6302	-5.148	10.2365	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6612.6302	-4.945	10.2365	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6612.6302	-5.691	10.2365	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6612.6302	-5.135	10.2365	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6612.6302	-8.850	10.2365	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6612.6302	-5.737	10.2365	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).12f	K04



S 1	6617.8393	-6.993	10.2722	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6617.8393	-4.458	10.2722	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6617.8393	-5.016	10.2722	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6617.8393	-4.733	10.2722	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6618.9741	-3.297	10.0528	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6618.9741	-1.921	10.0528	3.0	11.9254	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6618.9741	-2.570	10.0528	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6618.9741	-2.344	10.0528	3.0	11.9254	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6618.9741	-3.295	10.0528	3.0	11.9254	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6618.9741	-2.970	10.0528	3.0	11.9254	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6619.9252	-5.003	10.0530	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6619.9252	-2.344	10.0530	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6619.9252	-3.269	10.0530	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6619.9252	-2.476	10.0530	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6619.9252	-3.607	10.0530	2.0	11.9254	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6619.9252	-3.025	10.0530	2.0	11.9254	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6619.9734	-7.817	10.1926	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6619.9734	-5.712	10.1926	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6620.8941	-3.373	10.0533	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6620.8941	-2.800	10.0533	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6620.8941	-3.911	10.0533	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6620.8941	-2.920	10.0533	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6623.7587	-9.532	10.1208	4.0	11.9921	5.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.7587	-8.229	10.1208	4.0	11.9921	5.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.7587	-9.712	10.1208	4.0	11.9921	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.7587	-9.458	10.1208	4.0	11.9921	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8157	-6.324	10.1208	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8157	-5.062	10.1208	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8157	-5.741	10.1208	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8157	-5.487	10.1208	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8157	-6.254	10.1208	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8157	-6.248	10.1208	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8157	-8.072	10.1208	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8157	-6.635	10.1208	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8157	-8.004	10.1208	0.0	11.9921	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8157	-6.802	10.1208	0.0	11.9921	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8157	-7.272	10.1208	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8157	-7.152	10.1208	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04

S 1	6623.8552	-6.263	10.1208	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8552	-5.833	10.1208	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8552	-8.455	10.1208	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8552	-5.876	10.1208	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8552	-6.829	10.1208	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6623.8552	-6.645	10.1208	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6626.0855	-7.304	10.2365	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6626.0855	-3.872	10.2365	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6626.0855	-7.238	10.2365	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6626.0855	-4.468	10.2365	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6626.0855	-5.906	10.2365	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6626.0855	-5.662	10.2365	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6626.8321	-4.599	10.2367	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6626.8321	-3.423	10.2367	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6626.8321	-4.585	10.2367	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6626.8321	-4.478	10.2367	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6627.0079	-5.559	10.2844	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6627.0079	-4.137	10.2844	2.0	12.1548	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6627.0079	-4.536	10.2844	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6627.0079	-4.400	10.2844	1.0	12.1548	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6627.0079	-7.543	10.2844	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6627.0079	-4.452	10.2844	3.0	12.1548	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6627.0079	-4.919	10.2844	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6627.0079	-4.727	10.2844	2.0	12.1548	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6627.0079	-5.076	10.2844	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6627.0079	-4.979	10.2844	3.0	12.1548	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6627.0079	-5.633	10.2844	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6627.0079	-5.007	10.2844	3.0	12.1548	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).17f	K04
S 1	6627.1836	-5.094	10.2368	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6627.1836	-3.633	10.2368	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6629.5963	-4.880	10.0528	3.0	11.9224	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6629.5963	-2.279	10.0528	3.0	11.9224	4.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6629.5963	-4.397	10.0528	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6629.5963	-2.914	10.0528	3.0	11.9224	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6629.5963	-7.012	10.0528	3.0	11.9224	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6629.5963	-4.142	10.0528	3.0	11.9224	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6630.5505	-2.482	10.0530	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6630.5505	-2.311	10.0530	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).7f	K04

S 1	6630.5505	-4.435	10.0530	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6630.5505	-2.831	10.0530	2.0	11.9224	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6631.0518	-6.165	10.2721	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6631.0518	-4.089	10.2721	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6631.0518	-7.554	10.2721	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6631.0518	-4.797	10.2721	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6631.0518	-5.183	10.2721	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6631.0518	-4.870	10.2721	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6631.2762	-3.259	10.2417	3.0	12.1109	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6631.2762	-2.739	10.2417	3.0	12.1109	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6631.2762	-3.477	10.2417	3.0	12.1109	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6631.2762	-3.166	10.2417	3.0	12.1109	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6631.2762	-4.202	10.2417	3.0	12.1109	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6631.2762	-4.115	10.2417	3.0	12.1109	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6631.5225	-5.035	10.0533	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6631.5225	-3.559	10.0533	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).7d 3D*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6631.6237	-5.356	10.2722	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6631.6237	-3.743	10.2722	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6631.6237	-4.135	10.2722	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6631.6237	-4.062	10.2722	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6631.6237	-4.782	10.2722	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6631.6237	-4.730	10.2722	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6633.5158	-5.948	10.2565	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6633.5158	-4.979	10.2565	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6633.5158	-5.502	10.2565	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6633.5158	-5.433	10.2565	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6633.5158	-6.650	10.2565	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6633.5158	-5.464	10.2565	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6634.1321	-6.808	10.2566	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6634.1321	-6.113	10.2566	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6634.1321	-7.192	10.2566	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6634.1321	-6.737	10.2566	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6634.3082	-6.809	10.2567	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6634.3082	-5.108	10.2567	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6634.3082	-5.713	10.2567	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6634.3082	-5.254	10.2567	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6634.3082	-6.346	10.2567	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6634.3082	-5.733	10.2567	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).13f	K04



S 1	6634.6164	-4.065	10.2844	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-2.366	10.2844	3.0	12.1527	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-3.890	10.2844	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-2.613	10.2844	3.0	12.1527	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-3.338	10.2844	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-2.880	10.2844	2.0	12.1527	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-3.676	10.2844	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-2.884	10.2844	2.0	12.1527	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-4.131	10.2844	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-3.055	10.2844	1.0	12.1527	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-6.412	10.2844	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-3.250	10.2844	1.0	12.1527	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-5.646	10.2844	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-3.386	10.2844	3.0	12.1527	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-3.888	10.2844	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6634.6164	-3.664	10.2844	2.0	12.1527	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).16f	K04
S 1	6638.1540	-8.388	10.1208	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6638.1540	-5.477	10.1208	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6638.1540	-6.052	10.1208	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6638.1540	-5.725	10.1208	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6638.1540	-8.825	10.1208	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6638.1540	-6.075	10.1208	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6638.1540	-7.377	10.1208	3.0	11.9880	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6638.1540	-7.371	10.1208	3.0	11.9880	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6638.1936	-5.572	10.1208	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6638.1936	-5.397	10.1208	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6638.1936	-7.036	10.1208	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6638.1936	-5.925	10.1208	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).8d 5D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6638.8681	-3.341	10.1250	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6638.8681	-2.014	10.1250	3.0	11.9921	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6638.8681	-2.708	10.1250	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6638.8681	-2.419	10.1250	3.0	11.9921	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6638.8681	-3.194	10.1250	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6638.8681	-3.180	10.1250	3.0	11.9921	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6639.9969	-3.678	10.1254	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6639.9969	-2.457	10.1254	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6639.9969	-4.009	10.1254	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6639.9969	-2.523	10.1254	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04

S 1	6639.9969	-3.581	10.1254	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6639.9969	-3.143	10.1254	2.0	11.9921	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6641.0202	-4.281	10.1256	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6641.0202	-2.998	10.1256	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6641.0202	-3.198	10.1256	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6641.0202	-2.998	10.1256	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6644.8075	-4.535	10.2417	3.0	12.1071	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6644.8075	-2.495	10.2417	3.0	12.1071	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6644.8075	-7.635	10.2417	3.0	12.1071	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6644.8075	-2.802	10.2417	3.0	12.1071	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6644.8075	-3.494	10.2417	3.0	12.1071	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6644.8075	-3.368	10.2417	3.0	12.1071	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6647.8077	-6.415	10.2565	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6647.8077	-5.563	10.2565	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6647.8077	-7.367	10.2565	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6647.8077	-6.241	10.2565	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6647.8077	-7.538	10.2565	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6647.8077	-6.824	10.2565	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6648.4267	-7.181	10.2566	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6648.4267	-5.746	10.2566	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6648.5151	-4.307	10.2844	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6648.5151	-2.697	10.2844	2.0	12.1488	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6648.5151	-5.813	10.2844	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6648.5151	-2.968	10.2844	3.0	12.1488	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6648.5151	-3.023	10.2844	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6648.5151	-2.990	10.2844	1.0	12.1488	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6648.5151	-3.645	10.2844	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6648.5151	-3.637	10.2844	2.0	12.1488	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6648.5151	-4.223	10.2844	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6648.5151	-4.195	10.2844	3.0	12.1488	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6648.5151	-6.960	10.2844	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6648.5151	-4.932	10.2844	3.0	12.1488	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).16f	K04
S 1	6648.6035	-5.686	10.2567	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6648.6035	-5.420	10.2567	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6648.6035	-6.155	10.2567	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6648.6035	-5.879	10.2567	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6648.8689	-7.602	10.2721	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6648.8689	-5.106	10.2721	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04

S 1	6648.8689	-6.561	10.2721	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6648.8689	-5.252	10.2721	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6648.8689	-7.183	10.2721	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6648.8689	-5.410	10.2721	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6649.4438	-5.601	10.2722	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6649.4438	-3.622	10.2722	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6649.4438	-7.091	10.2722	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6649.4438	-4.324	10.2722	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6649.4438	-5.565	10.2722	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6649.4438	-5.404	10.2722	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6649.4438	-6.435	10.2722	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6649.4438	-5.724	10.2722	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6649.4438	-8.156	10.2722	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6649.4438	-5.902	10.2722	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6650.9213	-8.507	10.1735	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6650.9213	-6.144	10.1735	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6650.9213	-7.840	10.1735	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6650.9213	-6.349	10.1735	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6650.9213	-8.123	10.1735	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6650.9213	-6.959	10.1735	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6650.9213	-9.857	10.1735	4.0	12.0371	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6650.9213	-8.688	10.1735	4.0	12.0371	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6650.9213	-9.621	10.1735	4.0	12.0371	5.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6650.9213	-9.580	10.1735	4.0	12.0371	5.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6651.0009	-8.196	10.1735	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6651.0009	-5.852	10.1735	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6651.0009	-7.023	10.1735	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6651.0009	-5.914	10.1735	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6651.0009	-6.553	10.1735	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6651.0009	-6.316	10.1735	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6651.0009	-6.401	10.1735	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6651.0009	-6.337	10.1735	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6651.0009	-7.211	10.1735	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6651.0009	-6.410	10.1735	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6651.0009	-7.364	10.1735	0.0	12.0371	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6651.0009	-6.425	10.1735	0.0	12.0371	1.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6653.2717	-4.925	10.1250	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6653.2717	-2.362	10.1250	3.0	11.9880	4.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).8f	K04

S 1	6653.2717	-5.199	10.1250	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6653.2717	-2.976	10.1250	3.0	11.9880	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6653.2717	-4.253	10.1250	3.0	11.9880	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6653.2717	-4.221	10.1250	3.0	11.9880	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6654.4054	-2.486	10.1254	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6654.4054	-2.471	10.1254	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6654.4054	-4.530	10.1254	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6654.4054	-2.928	10.1254	2.0	11.9880	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6654.4452	-3.086	10.1745	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6654.4452	-1.753	10.1745	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6654.4452	-3.021	10.1745	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6654.4452	-2.022	10.1745	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6654.4452	-4.743	10.1745	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6654.4452	-2.618	10.1745	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6655.1983	-2.730	10.1747	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6655.1983	-2.304	10.1747	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6655.1983	-2.653	10.1747	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6655.1983	-2.475	10.1747	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6655.1983	-3.244	10.1747	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6655.1983	-2.901	10.1747	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6655.4331	-3.279	10.1256	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6655.4331	-2.329	10.1256	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).8d 3D*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6656.8912	-5.186	10.1751	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6656.8912	-2.533	10.1751	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6656.8912	-4.309	10.1751	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6656.8912	-2.737	10.1751	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6661.2292	-5.575	10.2844	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6661.2292	-3.989	10.2844	3.0	12.1452	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6661.2292	-5.647	10.2844	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6661.2292	-4.157	10.2844	3.0	12.1452	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6661.2292	-4.838	10.2844	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6661.2292	-4.290	10.2844	2.0	12.1452	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6661.2292	-4.988	10.2844	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6661.2292	-4.493	10.2844	2.0	12.1452	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6661.2292	-6.031	10.2844	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6661.2292	-4.808	10.2844	1.0	12.1452	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6661.2292	-7.814	10.2844	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6661.2292	-5.177	10.2844	1.0	12.1452	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04

S 1	6661.2292	-6.006	10.2844	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6661.2292	-5.285	10.2844	2.0	12.1452	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6661.2292	-9.134	10.2844	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6661.2292	-5.419	10.2844	3.0	12.1452	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).15f	K04
S 1	6663.7600	-5.755	10.2721	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6663.7600	-4.958	10.2721	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6663.7600	-7.788	10.2721	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6663.7600	-5.951	10.2721	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6663.7600	-6.683	10.2721	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6663.7600	-5.994	10.2721	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6664.3375	-6.562	10.2722	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6664.3375	-5.362	10.2722	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6664.3375	-7.274	10.2722	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6664.3375	-5.446	10.2722	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6664.3375	-5.689	10.2722	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6664.3375	-5.558	10.2722	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6665.2884	-8.037	10.1735	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6665.2884	-6.306	10.1735	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6665.2884	-9.533	10.1735	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6665.2884	-6.941	10.1735	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6665.2884	-8.210	10.1735	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6665.2884	-8.082	10.1735	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6665.2884	-9.807	10.1735	4.0	12.0331	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6665.2884	-8.478	10.1735	4.0	12.0331	4.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6665.3684	-8.130	10.1735	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6665.3684	-6.224	10.1735	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6665.3684	-7.170	10.1735	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6665.3684	-6.964	10.1735	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6665.3684	-9.019	10.1735	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6665.3684	-7.352	10.1735	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).9d 5D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6668.4139	-3.183	10.2103	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6668.4139	-1.917	10.2103	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6668.4139	-3.959	10.2103	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6668.4139	-2.148	10.2103	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6668.4139	-4.018	10.2103	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6668.4139	-2.789	10.2103	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6668.8276	-4.523	10.1745	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6668.8276	-2.077	10.1745	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).9f	K04

S 1	6668.8276	-4.996	10.1745	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6668.8276	-2.688	10.1745	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6668.8276	-4.027	10.1745	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6668.8276	-3.810	10.1745	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6669.1167	-2.679	10.2105	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6669.1167	-2.591	10.2105	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6669.1167	-2.794	10.2105	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6669.1167	-2.650	10.2105	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6669.1167	-3.366	10.2105	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6669.1167	-3.073	10.2105	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6669.4504	-9.596	10.2106	4.0	12.0691	5.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6669.4504	-7.202	10.2106	4.0	12.0691	5.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6669.5172	-4.293	10.2106	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6669.5172	-2.639	10.2106	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6669.5172	-5.124	10.2106	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6669.5172	-2.846	10.2106	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6669.5839	-2.405	10.1747	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6669.5839	-2.098	10.1747	2.0	12.0331	3.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6669.5839	-5.153	10.1747	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6669.5839	-2.651	10.1747	2.0	12.0331	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6671.2841	-3.336	10.1751	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6671.2841	-2.055	10.1751	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).9d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6675.1951	-5.598	10.2844	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6675.1951	-3.900	10.2844	3.0	12.1413	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6675.1951	-5.956	10.2844	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6675.1951	-4.257	10.2844	2.0	12.1413	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6675.1951	-4.936	10.2844	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6675.1951	-4.524	10.2844	1.0	12.1413	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6675.1951	-7.307	10.2844	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6675.1951	-4.660	10.2844	3.0	12.1413	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6675.1951	-5.707	10.2844	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6675.1951	-5.143	10.2844	3.0	12.1413	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6675.1951	-6.316	10.2844	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6675.1951	-5.376	10.2844	2.0	12.1413	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).15f	K04
S 1	6676.1491	-9.463	9.8020	2.0	11.6587	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6676.1491	-7.470	9.8020	2.0	11.6587	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6676.1491	-8.307	9.8020	2.0	11.6587	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6676.1491	-7.823	9.8020	2.0	11.6587	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).5f	K04

S 1	6676.1491	-9.873	9.8020	2.0	11.6587	1.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6676.1491	-8.300	9.8020	2.0	11.6587	1.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6676.1758	-3.303	10.2365	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6676.1758	-2.093	10.2365	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6676.1758	-5.612	10.2365	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6676.1758	-2.322	10.2365	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6676.1758	-3.658	10.2365	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6676.1758	-2.694	10.2365	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6676.9338	-3.709	10.2367	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6676.9338	-2.692	10.2367	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6676.9338	-2.863	10.2367	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6676.9338	-2.793	10.2367	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6676.9338	-3.508	10.2367	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6676.9338	-3.227	10.2367	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6677.2906	-3.831	10.2368	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6677.2906	-2.909	10.2368	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6677.2906	-7.741	10.2368	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6677.2906	-3.043	10.2368	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6683.0801	-4.690	10.2103	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6683.0801	-2.216	10.2103	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6683.0801	-3.827	10.2103	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6683.0801	-2.866	10.2103	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6683.0801	-4.672	10.2103	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6683.0801	-4.169	10.2103	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6683.7861	-3.009	10.2105	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6683.7861	-2.119	10.2105	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6683.7861	-7.692	10.2105	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6683.7861	-2.865	10.2105	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6683.9425	-3.749	10.2565	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6683.9425	-2.182	10.2565	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6683.9425	-4.491	10.2565	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6683.9425	-2.418	10.2565	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6683.9425	-4.489	10.2565	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6683.9425	-3.121	10.2565	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6684.1212	-9.581	10.2106	4.0	12.0650	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6684.1212	-8.392	10.2106	4.0	12.0650	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6684.1883	-3.572	10.2106	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6684.1883	-2.228	10.2106	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).10f	K04

S 1	6684.5681	-6.386	10.2566	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6684.5681	-2.970	10.2566	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6684.5681	-3.884	10.2566	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6684.5681	-3.160	10.2566	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6684.7469	-3.022	10.2567	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6684.7469	-2.796	10.2567	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6684.7469	-3.030	10.2567	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6684.7469	-2.946	10.2567	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6684.7469	-3.810	10.2567	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6684.7469	-3.451	10.2567	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6689.3541	-3.765	10.2721	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.3541	-2.342	10.2721	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.3541	-4.370	10.2721	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.3541	-2.506	10.2721	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.3541	-5.342	10.2721	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.3541	-3.244	10.2721	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.9360	-3.339	10.2722	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.9360	-2.903	10.2722	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.9360	-3.244	10.2722	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.9360	-3.087	10.2722	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.9360	-6.581	10.2722	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.9360	-3.106	10.2722	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.9360	-4.694	10.2722	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.9360	-3.392	10.2722	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.9360	-3.759	10.2722	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6689.9360	-3.573	10.2722	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6690.2046	-4.887	10.2365	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6690.2046	-2.360	10.2365	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6690.2046	-3.548	10.2365	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6690.2046	-3.139	10.2365	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6690.2046	-4.405	10.2365	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6690.2046	-4.274	10.2365	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6690.9658	-4.934	10.2367	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6690.9658	-2.214	10.2367	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6690.9658	-5.062	10.2367	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6690.9658	-2.997	10.2367	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6691.3241	-3.979	10.2368	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6691.3241	-2.373	10.2368	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).11f	K04



S 1	6692.3275	-9.597	9.8020	2.0	11.6542	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6692.3275	-7.729	9.8020	2.0	11.6542	3.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6692.3275	-8.960	9.8020	2.0	11.6542	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6692.3275	-8.612	9.8020	2.0	11.6542	2.0	LS 3s2.3p3.(4S*).7s 5S*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6693.2505	-3.871	10.2844	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-2.500	10.2844	3.0	12.1363	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-4.430	10.2844	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-2.714	10.2844	3.0	12.1363	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-3.297	10.2844	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-3.045	10.2844	2.0	12.1363	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-3.456	10.2844	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-3.063	10.2844	2.0	12.1363	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-3.392	10.2844	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-3.351	10.2844	3.0	12.1363	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-3.831	10.2844	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-3.533	10.2844	2.0	12.1363	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-5.310	10.2844	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-3.591	10.2844	1.0	12.1363	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-7.111	10.2844	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6693.2505	-3.914	10.2844	1.0	12.1363	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).14f	K04
S 1	6694.1468	-9.600	9.9745	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6694.1468	-8.137	9.9745	2.0	11.8262	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6694.1468	-9.101	9.9745	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6694.1468	-8.371	9.9745	2.0	11.8262	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6695.1824	-2.573	10.2417	3.0	12.0931	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6695.1824	-2.395	10.2417	3.0	12.0931	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6695.1824	-2.796	10.2417	3.0	12.0931	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6695.1824	-2.769	10.2417	3.0	12.0931	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6695.1824	-3.961	10.2417	3.0	12.0931	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6695.1824	-3.346	10.2417	3.0	12.0931	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6697.6898	-4.726	10.2565	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6697.6898	-2.641	10.2565	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6697.6898	-3.512	10.2565	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6697.6898	-3.488	10.2565	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6697.6898	-4.190	10.2565	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6697.6898	-3.491	10.2565	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6698.3181	-3.478	10.2566	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6698.3181	-3.103	10.2566	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).12f	K04

S 1	6698.4976	-6.080	10.2567	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6698.4976	-2.414	10.2567	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6698.4976	-3.233	10.2567	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6698.4976	-3.229	10.2567	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6703.8878	-4.946	10.2721	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6703.8878	-2.722	10.2721	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6703.8878	-3.708	10.2721	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6703.8878	-3.515	10.2721	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6703.8878	-4.803	10.2721	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6703.8878	-4.257	10.2721	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6704.4723	-4.126	10.2722	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6704.4723	-2.555	10.2722	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6704.4723	-4.653	10.2722	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6704.4723	-2.632	10.2722	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6704.4723	-4.450	10.2722	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6704.4723	-3.267	10.2722	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6708.3413	-3.956	10.2844	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6708.3413	-2.715	10.2844	2.0	12.1322	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6708.3413	-3.643	10.2844	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6708.3413	-2.844	10.2844	1.0	12.1322	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6708.3413	-5.081	10.2844	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6708.3413	-2.853	10.2844	3.0	12.1322	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6708.3413	-3.967	10.2844	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6708.3413	-3.517	10.2844	2.0	12.1322	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6708.3413	-3.904	10.2844	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6708.3413	-3.605	10.2844	3.0	12.1322	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6708.3413	-6.100	10.2844	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6708.3413	-3.965	10.2844	3.0	12.1322	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).14f	K04
S 1	6708.3683	-9.538	10.0777	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6708.3683	-8.651	10.0777	2.0	11.9254	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6708.3683	-9.573	10.0777	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6708.3683	-8.790	10.0777	2.0	11.9254	2.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6708.4314	-9.536	10.1444	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6708.4314	-9.213	10.1444	2.0	11.9921	3.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6708.4314	-9.730	10.1444	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6708.4314	-9.279	10.1444	2.0	11.9921	2.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6709.2913	-3.971	10.2417	3.0	12.0892	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6709.2913	-2.232	10.2417	3.0	12.0892	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).11f	K04

S 1	6709.2913	-3.311	10.2417	3.0	12.0892	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6709.2913	-3.123	10.2417	3.0	12.0892	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6709.2913	-4.238	10.2417	3.0	12.0892	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6709.2913	-4.161	10.2417	3.0	12.0892	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6709.5569	-9.739	9.9745	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6709.5569	-8.335	9.9745	2.0	11.8219	3.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6709.5569	-9.541	9.9745	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6709.5569	-9.091	9.9745	2.0	11.8219	2.0	LS 3s2.3p3.(4S*).8s 5S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6719.2797	-9.898	10.0777	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6719.2797	-8.812	10.0777	2.0	11.9224	3.0	LS 3s2.3p3.(4S*).9s 5S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6719.9617	-7.124	10.1926	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6719.9617	-5.462	10.1926	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6719.9617	-5.934	10.1926	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6719.9617	-5.588	10.1926	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6722.1803	-7.235	10.1482	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6722.1803	-5.386	10.1482	1.0	11.9921	1.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6722.1803	-6.463	10.1482	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6722.1803	-5.530	10.1482	1.0	11.9921	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<5/2>).8f	K04
S 1	6723.1387	-9.984	10.1444	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6723.1387	-9.252	10.1444	2.0	11.9880	3.0	LS 3s2.3p3.(4S*).10s 5S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6726.7396	-6.234	9.9835	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6726.7396	-5.104	9.9835	1.0	11.8262	1.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6726.7396	-6.865	9.9835	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6726.7396	-5.201	9.9835	1.0	11.8262	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<5/2>).6f	K04
S 1	6728.7996	-6.711	10.0833	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6728.7996	-5.221	10.0833	1.0	11.9254	1.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6728.7996	-7.028	10.0833	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6728.7996	-5.324	10.0833	1.0	11.9254	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6733.3951	-6.101	9.8178	1.0	11.6587	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6733.3951	-5.037	9.8178	1.0	11.6587	1.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6733.3951	-6.087	9.8178	1.0	11.6587	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6733.3951	-5.206	9.8178	1.0	11.6587	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<5/2>).5f	K04
S 1	6734.2796	-4.134	10.2844	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.2796	-2.817	10.2844	3.0	12.1250	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.2796	-4.959	10.2844	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.2796	-3.008	10.2844	3.0	12.1250	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.2796	-3.750	10.2844	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.2796	-3.403	10.2844	2.0	12.1250	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04

S 1	6734.2796	-3.740	10.2844	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.2796	-3.534	10.2844	2.0	12.1250	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.2796	-7.301	10.2844	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.2796	-3.564	10.2844	1.0	12.1250	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.2796	-5.374	10.2844	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.2796	-3.765	10.2844	3.0	12.1250	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.2796	-5.115	10.2844	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.2796	-3.796	10.2844	1.0	12.1250	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.2796	-4.370	10.2844	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.2796	-4.084	10.2844	2.0	12.1250	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).13f	K04
S 1	6734.6289	-7.324	10.1926	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6734.6289	-5.489	10.1926	1.0	12.0331	2.0	LS 3s2.3p3.(4S*).11s 3S*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6736.9480	-8.150	10.1482	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6736.9480	-5.375	10.1482	1.0	11.9880	2.0	LS 3s2.3p3.(4S*).10s 3S*	3s2.3p3.(2D*<3/2>).8f	K04
S 1	6739.7776	-5.732	10.0833	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6739.7776	-5.174	10.0833	1.0	11.9224	2.0	LS 3s2.3p3.(4S*).9s 3S*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6740.6365	-4.088	10.2721	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6740.6365	-2.882	10.2721	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6740.6365	-6.172	10.2721	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6740.6365	-3.115	10.2721	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6740.6365	-5.448	10.2721	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6740.6365	-3.798	10.2721	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6741.2274	-3.674	10.2722	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6741.2274	-3.531	10.2722	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6741.2274	-3.746	10.2722	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6741.2274	-3.619	10.2722	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6741.2274	-7.466	10.2722	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6741.2274	-3.640	10.2722	1.0	12.1109	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6741.2274	-4.698	10.2722	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6741.2274	-3.879	10.2722	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6741.2274	-4.019	10.2722	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6741.2274	-3.920	10.2722	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6742.3003	-9.402	9.9835	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6742.3003	-4.970	9.9835	1.0	11.8219	2.0	LS 3s2.3p3.(4S*).8s 3S*	3s2.3p3.(2D*<3/2>).6f	K04
S 1	6748.8728	-3.900	10.2565	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6748.8728	-3.064	10.2565	3.0	12.0931	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6748.8728	-5.138	10.2565	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6748.8728	-3.296	10.2565	3.0	12.0931	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04

S 1	6748.8728	-4.625	10.2565	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6748.8728	-4.592	10.2565	3.0	12.0931	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6749.0095	-4.464	10.2844	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6749.0095	-3.025	10.2844	2.0	12.1210	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6749.0095	-5.100	10.2844	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6749.0095	-3.127	10.2844	1.0	12.1210	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6749.0095	-5.279	10.2844	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6749.0095	-3.153	10.2844	3.0	12.1210	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6749.0095	-4.891	10.2844	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6749.0095	-3.842	10.2844	2.0	12.1210	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6749.0095	-4.136	10.2844	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6749.0095	-3.963	10.2844	3.0	12.1210	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6749.0095	-5.634	10.2844	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6749.0095	-5.335	10.2844	3.0	12.1210	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<3/2>).13f	K04
S 1	6749.5107	-4.580	10.2566	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6749.5107	-3.830	10.2566	1.0	12.0931	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6749.5107	-5.661	10.2566	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6749.5107	-3.973	10.2566	1.0	12.0931	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6749.6930	-4.033	10.2567	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6749.6930	-3.641	10.2567	2.0	12.0931	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6749.6930	-3.756	10.2567	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6749.6930	-3.752	10.2567	2.0	12.0931	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6749.6930	-4.418	10.2567	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6749.6930	-4.407	10.2567	2.0	12.0931	1.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<5/2>).11f	K04
S 1	6749.8525	-7.797	9.8178	1.0	11.6542	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6749.8525	-4.812	9.8178	1.0	11.6542	2.0	LS 3s2.3p3.(4S*).7s 3S*	3s2.3p3.(2D*<3/2>).5f	K04
S 1	6754.6183	-5.353	10.2721	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6754.6183	-3.158	10.2721	3.0	12.1071	4.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6754.6183	-4.041	10.2721	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6754.6183	-4.022	10.2721	3.0	12.1071	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6754.6183	-5.764	10.2721	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6754.6183	-5.300	10.2721	3.0	12.1071	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6755.2116	-5.081	10.2722	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6755.2116	-3.050	10.2722	2.0	12.1071	3.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6755.2116	-4.183	10.2722	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6755.2116	-3.742	10.2722	1.0	12.1071	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6755.2116	-3.944	10.2722	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).12f	K04
S 1	6755.2116	-3.888	10.2722	2.0	12.1071	2.0	LS 3s2.3p3.(4S*).13d 3D*	3s2.3p3.(2D*<3/2>).12f	K04

S 1	6763.2091	-5.825	10.2565	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6763.2091	-3.096	10.2565	3.0	12.0892	4.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6763.2091	-4.266	10.2565	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6763.2091	-3.879	10.2565	3.0	12.0892	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6763.2091	-5.172	10.2565	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6763.2091	-5.118	10.2565	3.0	12.0892	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6763.6667	-6.086	10.2365	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6763.6667	-2.988	10.2365	3.0	12.0691	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6763.6667	-5.758	10.2365	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6763.6667	-3.199	10.2365	3.0	12.0691	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6763.6667	-4.656	10.2365	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6763.6667	-3.959	10.2365	3.0	12.0691	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6763.8497	-4.996	10.2566	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6763.8497	-3.306	10.2566	1.0	12.0892	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6764.0328	-7.427	10.2567	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6764.0328	-3.106	10.2567	2.0	12.0892	3.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6764.0328	-5.567	10.2567	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6764.0328	-3.935	10.2567	2.0	12.0892	2.0	LS 3s2.3p3.(4S*).12d 3D*	3s2.3p3.(2D*<3/2>).11f	K04
S 1	6764.4447	-3.716	10.2367	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6764.4447	-3.563	10.2367	2.0	12.0691	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6764.4447	-3.921	10.2367	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6764.4447	-3.627	10.2367	2.0	12.0691	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6764.4447	-4.348	10.2367	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6764.4447	-4.331	10.2367	2.0	12.0691	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6764.8109	-5.938	10.2368	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6764.8109	-4.008	10.2368	1.0	12.0691	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6764.8109	-5.561	10.2368	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6764.8109	-4.201	10.2368	1.0	12.0691	1.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6778.7553	-5.113	10.2365	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6778.7553	-3.868	10.2365	3.0	12.0650	4.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6778.7553	-5.686	10.2365	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6778.7553	-4.442	10.2365	3.0	12.0650	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6778.7553	-5.798	10.2365	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6778.7553	-5.520	10.2365	3.0	12.0650	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6779.5368	-4.060	10.2367	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6779.5368	-3.599	10.2367	2.0	12.0650	3.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6779.5368	-4.400	10.2367	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6779.5368	-4.081	10.2367	2.0	12.0650	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).10f	K04

S 1	6779.6747	-1.973	10.0972	1.0	11.9254	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6779.6747	-1.872	10.0972	1.0	11.9254	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6779.6747	-2.970	10.0972	1.0	11.9254	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6779.6747	-1.988	10.0972	1.0	11.9254	1.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<5/2>).7f	K04
S 1	6779.9046	-5.035	10.2368	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6779.9046	-3.488	10.2368	1.0	12.0650	2.0	LS 3s2.3p3.(4S*).11d 3D*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6783.1754	-2.373	10.2417	3.0	12.0691	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6783.1754	-2.044	10.2417	3.0	12.0691	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6783.1754	-2.556	10.2417	3.0	12.0691	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6783.1754	-2.478	10.2417	3.0	12.0691	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6783.1754	-3.300	10.2417	3.0	12.0691	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6783.1754	-3.205	10.2417	3.0	12.0691	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<5/2>).10f	K04
S 1	6784.9985	-5.606	10.2103	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6784.9985	-3.339	10.2103	3.0	12.0371	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6784.9985	-5.262	10.2103	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6784.9985	-3.514	10.2103	3.0	12.0371	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6784.9985	-5.074	10.2103	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6784.9985	-4.332	10.2103	3.0	12.0371	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6785.7261	-4.176	10.2105	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6785.7261	-3.944	10.2105	2.0	12.0371	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6785.7261	-4.154	10.2105	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6785.7261	-4.063	10.2105	2.0	12.0371	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6785.7261	-4.883	10.2105	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6785.7261	-4.723	10.2105	2.0	12.0371	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6786.0716	-8.179	10.2106	4.0	12.0371	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6786.0716	-6.316	10.2106	4.0	12.0371	4.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6786.0716	-9.511	10.2106	4.0	12.0371	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6786.0716	-7.246	10.2106	4.0	12.0371	3.0	LS 3s2.3p3.(4S*).10d 5D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6786.1407	-5.147	10.2106	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6786.1407	-5.065	10.2106	1.0	12.0371	1.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6786.1407	-5.549	10.2106	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6786.1407	-5.162	10.2106	1.0	12.0371	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<5/2>).9f	K04
S 1	6786.2558	-5.832	10.2844	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6786.2558	-3.676	10.2844	2.0	12.1109	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6786.2558	-7.700	10.2844	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6786.2558	-4.277	10.2844	1.0	12.1109	1.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6786.2558	-6.450	10.2844	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6786.2558	-5.965	10.2844	3.0	12.1109	4.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).12f	K04

S 1	6786.2558	-8.718	10.2844	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6786.2558	-6.470	10.2844	2.0	12.1109	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6786.2558	-8.130	10.2844	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6786.2558	-6.542	10.2844	2.0	12.1109	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6786.2558	-7.041	10.2844	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6786.2558	-6.656	10.2844	3.0	12.1109	3.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6786.2558	-7.185	10.2844	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6786.2558	-7.021	10.2844	3.0	12.1109	2.0	LS 3s2.3p3.(4S*).14d 3D*	3s2.3p3.(2D*<5/2>).12f	K04
S 1	6790.8195	-3.045	10.0972	1.0	11.9224	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6790.8195	-2.178	10.0972	1.0	11.9224	2.0	LS 3s2.3p3.(2D*).3d 1P*	3s2.3p3.(2D*<3/2>).7f	K04
S 1	6798.3513	-3.633	10.2417	3.0	12.0650	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6798.3513	-1.850	10.2417	3.0	12.0650	4.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6798.3513	-3.270	10.2417	3.0	12.0650	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6798.3513	-2.588	10.2417	3.0	12.0650	3.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6798.3513	-3.940	10.2417	3.0	12.0650	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6798.3513	-3.826	10.2417	3.0	12.0650	2.0	LS 3s2.3p3.(2D*).3d 1F*	3s2.3p3.(2D*<3/2>).10f	K04
S 1	6799.9513	-5.301	10.2103	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6799.9513	-4.240	10.2103	3.0	12.0331	4.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6799.9513	-9.980	10.2103	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6799.9513	-4.697	10.2103	3.0	12.0331	3.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6799.9513	-6.920	10.2103	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).9f	K04
S 1	6799.9513	-6.085	10.2103	3.0	12.0331	2.0	LS 3s2.3p3.(4S*).10d 3D*	3s2.3p3.(2D*<3/2>).9f	K04

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